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The MEYER-STISSER COMPANY

112



1914

SPRING CATALOGUE

—ON—

Seeds, Horticultural,
Dairy and Poultry
Supplies

For description on above flowers see page 30

32 LIGHT STREET
BALTIMORE, MD.

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Weight of Agricultural Seeds, per Bushel, and Quantity Usually Sown Per Acre.

Weight per Bushel	Quantity per Acre.
20 lbs.	Roland Park Lawn Grass.3½ bu.
14 lbs.	Kentucky Blue.....38 lbs.
32 lbs.	Red Top, fancy.....8 to 10 lbs.
14 lbs.	Orchard Grass.....42 lbs.
24 lbs.	English Rye, or Perennial Rye.....40 lbs.
22 lbs.	Meadow Fescue.....50 lbs.
12 lbs.	Sheep Fescue.....30 lbs.
7 lbs.	Meadow Foxtail.....30 lbs.
21 lbs.	Crested Dog's Tail..... 25 lbs.
14 lbs.	Wood Meadow.....30 lbs.
20 lbs.	Creeping Bent.....50 lbs.
10 lbs.	Tall Meadow Oat.....50 lbs.
45 lbs.	Timothy, alone.....¼ bu.
	Timothy with other grasses.8 lbs.
60 lbs.	Alsike, alone..... 6 lbs.
60 lbs.	Alfalfa, or Lucerne.....20 lbs.
60 lbs.	White Clover, alone..... 6 lbs.
	White Clover, with other grasses..... 3 lbs.
60 lbs.	Crimson Clover...15 to 20 lbs.
50 lbs.	German Millet.....50 lbs.
50 lbs.	Hungarian Millet.....50 lbs.
60 lbs.	Red Clover.....15 lbs.
	Red Clover..... 4 lbs.
	Timothy..... 7 lbs.
	Red Top..... 4 lbs.
	together for one acre.
60 lbs.	Wheat, broadcast...1½ to 2 bu.
	Wheat, in drills.....1½ to 2 bu.
56 lbs.	Rye, broadcast..... 1 bu.
32 lbs.	Oats, broadcast....2 to 2½ bu.
48 lbs.	Sorghum, drills.....4 qts.
	Sorghum, broadcast..... 8 qts.
56 lbs.	Field Corn, in hills..... 8 qts.
56 lbs.	Corn, for soiling.....1 to 2 bu.
60 lbs.	Vetches, broadcast..... 1 bu.
48 lbs.	Barley, broadcast..... 2 bu.
	Broom Corn, in hills...6 to 8 qts.
48 lbs.	Buckwheat, broadcast.... 1 bu.
	Teosinte, in hills.....1 to 3 bu.

The New Parcel Post rates, effective January 1st, 1914, are as follows: Parcels, 4 ounces or less, are available at the rate of one cent for each ounce or fraction thereof, regardless of distance.

This scale applies to merchandise such as Poultry Foods, Poultry Requisites, Horticultural and Dairy Supplies, etc., but does not apply to SEEDS, BULBS, PLANTS or LIQUIDS AND POISONS.

These last two items cannot be sent by mail.

Miles Miles Miles Miles				Miles Miles Miles Miles			
Local 50-150		300	600	Local 50-150		300	600
Zones 1 & 2		3d	4th	Zones 1 & 2		3d	4th
1 lb....	05	06	07	11 lb....	10	15	26
2 lb....	06	08	11	12 lb....	11	16	28
3 lb....	06	07	10	13 lb....	11	17	30
4 lb....	07	08	12	14 lb....	12	18	32
5 lb....	07	09	14	15 lb....	12	19	34
6 lb....	08	10	16	16 lb....	13	20	36
8 lb....	09	12	20	17 lb....	13	21	38
7 lb....	08	11	18	31 lb....	14	22	40
9 lb....	09	13	22	39 lb....	14	23	42
10 lb....	10	14	24	43 lb....	15	24	44

The New Parcel Post Law.

The New Parcel Post Law, effective January 1st, 1914, increases the weight that can be sent by Parcel Post in the

local, 1st and 2nd zones to 50 lbs., and to 20 lbs. in all the other zones. It also reduces the rates, thereby making it possible to send all Poultry Supplies, except the most weighty, by Parcel Post at a small cost.

Size of package that can be sent by Parcel Post cannot be over 72 inches in length and girth combined.

Local 1st & 2d 50-150		Local 1st & 2d 50-150	
21 lb.....	16	36 lb.....	31
22 lb.....	17	37 lb.....	32
23 lb.....	18	38 lb.....	33
24 lb.....	19	39 lb.....	34
25 lb.....	20	40 lb.....	35
26 lb.....	21	41 lb.....	36
27 lb.....	22	42 lb.....	37
28 lb.....	23	43 lb.....	38
29 lb.....	24	44 lb.....	39
30 lb.....	25	45 lb.....	40
31 lb.....	26	46 lb.....	41
32 lb.....	27	47 lb.....	42
33 lb.....	28	48 lb.....	43
34 lb.....	29	49 lb.....	44
35 lb.....	30	50 lb.....	45

"FOREWORD"

It is with a feeling of profound gratification and with a deep sense of great pride and pleasure that we present herewith our Catalogue for 1914. Another year has passed by, making it the third year of our young concern. We feel very grateful to our many patrons for their loyal support, not only on account of their buying from us time and again, but chiefly of the way they advertised our house to their various friends. And this is the greatest asset a firm can have. In spite of the very unfavorable climatic conditions of the year 1913, we made steady strides. Our whole efforts and time are unfailingly devoted to uphold the reputation which we have established, and we shall ever be on the alert to support our motto, "Punctuality, Sterling Quality, Courteous Treatment."

IMPORTANT!

PLEASE READ.

Our greatest aim is to oblige our patrons whenever we can. If an error should occur, let us know about it, and we will make it right to your satisfaction. If you ever wish to know anything in our line of business, call us up or write us. Our Information Department is in charge of experts who will cheerfully and intelligently answer all questions in regard to Horticulture, Agriculture or raising of Poultry. Any letters written in German or French will be promptly attended to. Hier wird Deutsch gesprochen. Ici on parle français.

We use every effort possible in the selection of our seeds, and feel justified in saying that all our seeds are the purest and best to be found; but at the same time, there being so many things beyond the control of man that spoil the best seeds and cause poor crops that it is impossible to guarantee seeds. Therefore, The Meyer-Stisser Company gives no warranty, expressed or implied, as to description, quality productiveness or any other matter of any seeds, bulbs, or plants they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they must be returned at once.

When seeds are ordered by mail postage must be added to catalogue prices at the rate of eight cents per pound for Seeds, fifteen cents per quart for Peas and Beans, and ten cents per quart for Corn.

One-quarter pound, ounces and packages are mailed postpaid.

Seeds cannot be sent by parcel post, neither can Remedies and Insecticides in Liquid Form, nor Poisons.

Prices of seeds vary. We quote Market Values upon request and always give our customers the benefit of the lowest price that the market condition will warrant. Special prices on a general list will be given upon application.

M. & S. ROLAND PARK LAWN GRASS

One of the most essential parts of the country place and suburban home is a carefully made and well-kept lawn. No trouble should be spared in its making, as much of the future results depend upon the start or foundation of the lawn,

which, if correctly made, can easily be kept in perfect condition for years, and give pleasure not only to the owner, but to others who see it. In seeding for lawn-making, care should be taken that a well-balanced mixture of grasses is used, one composed of such varieties as will blend together well and also ripen successively, thus securing a healthy and beautiful color throughout the summer. This special mixture produces beautiful and permanent lawns. It is made from our own formula, and composed of grasses which are adapted for the purpose of producing turf which retains its rich green color and velvety appearance throughout the entire summer and fall. In making up this brand we are careful to use seed that has



A Lawn Seeded with M. & S. Roland Park Lawn Grass Seed Mixture.

been thoroughly re-cleaned, the light seed and chaff having been blown out. $\frac{1}{4}$ lb., 10c.; $\frac{1}{2}$ lb., 15c.; lb., 25c.; 5 lbs., \$1.00; bu. of 20 lbs., \$3.85.

M. & S. Shady Nook Grass. It is quite difficult to obtain a satisfactory growth of grass under trees and in shady places; for sowing in such places we recommend the use of this special mixture. It will quickly produce an abundant and even growth of beautiful green grass. The grasses used in making this special mixture are only those that are well adapted for growing in shade. It has been successfully used on some large operations where a green sward was desired on land partially shaded by old trees. $\frac{1}{2}$ lb., 20c.; lb., 30c.; 5 lbs., \$1.25; bu. of 20 lbs., \$4.50.

M. & S. Pleasure Grounds Mixture. For fair greens, etc. The turf required for pleasure grounds must be of a character to withstand rough usage. This special mixture is made from our own formula, and will produce a permanent turf that will stand the hardest wear. For tennis courts, cricket tables, golf links, polo grounds, or wherever a good sward is wanted, this seed will give perfect satisfaction. We believe that the golf links should be as fine as a velvety lawn, hence the need of a fine mixture. Lb., 20c.; 5 lbs., 90c.; bu. of 20 lbs., \$3.50.

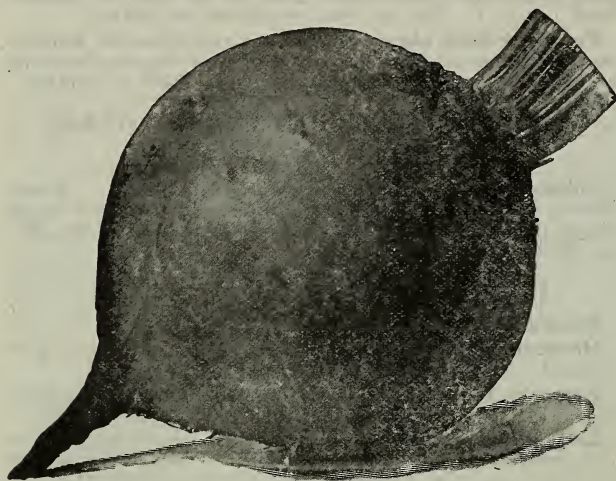
M. & S. Putting Green Mixture. Pleasures of golfing are greatly increased when the turf is in perfect order, a condition easily maintained by the use of a proper combination of grasses. A careful study of the requirements for making the most substantial turf for putting greens developed the mixture herewith offered by us for this purpose. Lb., 20c.; 5 lbs., 90c.; bu. of 20 lbs., \$3.50.

M. & S. Terrace Mixture. For embankments and terraces. Lb., 20c.; 5 lbs., 90c.; bu. of 20 lbs., \$3.50.

Mr. A. T. Chalk, Superintendent of "Homewood," the Athletic Field of the Johns Hopkins University, states that the Grass Seeds purchased of us gave quicker and better results than any other he has sown.

Detroit Dark Red. A blood-red, early, turnip-shaped variety. Has small, upright tops; fine round shape. Skin and flesh dark blood red. Very tender and sweet. Remarkably uniform in growth, and a particularly desirable sort for truckers and market gardeners. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Long, Smooth, Dark Blood. This variety has long, slender roots. The beets are seldom more than two inches through. Matures rather late, but is an excellent keeper. The flesh is dark red and quality sweet and tender. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.



Dark-Leaved Globe Beet.

M. & S. Dark-Leaved Globe Beet. Hitherto, the improved selections of turnip-rooted beet have been wanting in that important essential, a dark leaf. The novelty we offer has not only a dark leaf, but is the darkest fleshed round beet. These two important features, coupled with its handsome form, place this variety in the front rank of this class of beet. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Crimson Globe. A second early variety, does not grow large and coarse, the matured beets being medium in size and of good shape. The flesh and skin are both very dark and quality fine, being sweet and tender. The tops are small and dark in color. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Swiss Chard, or Spinach Beet. Giant Lucullus. The leaves of Swiss Chard are used as greens, cooked in the same manner as spinach, and the large ribs are prepared like asparagus, in which manner they are delicious. Giant Lucullus is the largest and best variety of Swiss Chard, and you should not fail to plant at least one long row in your garden this Spring. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

BEET (Mangel-Wurzel.) (Ger. Runkelrueben.)..

Used for feeding cattle. Sow five pounds per acre.

Culture. Sow in April and May in thoroughly plowed, well-manured soil, in drills two inches deep and about 18 inches apart. Thin out to 12 inches and keep the weeds down by frequent hoeing and cultivating. Low ground is best adapted for Mangel-Wurzel.

An ever-increasing acreage is being planted for stock beets, because of the wonderful results by feeding them as shown by the reports of our Experiment Stations and leading farmers and stockmen. Fattening, breeding and milk cattle do equally well on them. About one-fourth of the daily rations should be of roots. Hog cholera is prevented by their use. Where many are grown a good drill and cultivator are needed. Five pounds sows an acre.

Jumbo Mangel. Immense, long red, very fine quality. Oz., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

Gate Post Mangel. Large, yellow, excellent sort. Oz., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

Mammoth Long Red. This is an enormously productive variety, yielding from 50 to 70 tons to the acre, a single root often weighing from 20 to 40 pounds. It is the best long red mangel and very valuable for stock feeding. Oz., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 35c.; 5 lb., \$1.50.

Golden Tankard. The best long yellow mangel in cultivation. Relished by milch cows and sheep. Maturing earlier than other large sorts. Oz., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 35c.; 5 lb., \$1.50.

Improved White Sugar Beet. An improvement on the other varieties of sugar beets, hardier, and containing a greater percentage of sugar. Oz., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 35c.; 5 lb., \$1.50.

CABBAGE. (Ger. Kopfkohl.)

One ounce will produce about 2500 plants; one-quarter pound for transplanting an acre.

Culture. Sow seeds in January or February in hot-beds, and transplant latter part of April or early in May to open ground, or an early sowing in open ground can be made as soon as weather will permit. Set the plants in rows two feet apart, and 12 to 18 inches apart in the row. For second early sow in April and transplant in May, or sow in May and transplant in July, setting plants in rows three feet apart and two feet in rows. Never plant in the same ground two years in succession.

Our Cabbage Seed is all grown from selected heads only, by a specialist on Long Island.

COPENHAGEN MARKET.

Copenhagen Market. A valuable new early cabbage from Denmark, producing a large globe shape head, which comes into market along with Charleston Wakefield. It is well known that Denmark is a great cabbage and cauliflower country, and our seed comes direct from the originator. Produces fine, large heads uniform in shape and size and very solid, with few loose leaves. It is a vigorous grower and an excellent keeper. We have grown it for two years on our trial grounds where it excited great admiration.

Pkt., 10c.; $\frac{1}{2}$ oz., 20c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.25.

EARLY VARIETIES.

New Early. The largest of the early cabbage. The head is a roundish flat and remarkably solid. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.



Early Jersey Wakefield Cabbage.

Early Jersey Wakefield. The finest oblong shaped cabbage in existence. The head is solid, there being very few outside leaves. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Gentlemen:—It affords me great pleasure to let you know that the garden seeds which I have bought from you the past two seasons have given me better satisfaction than any other I have ever purchased.

Yours truly,

N. E. OFFUTT, Cockeysville, Md.

Large Charleston Wakefield. Similar to Early Jersey, but the heads are more blunt, equally as solid, while it grows almost twice the size, but matures one week later. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.75.

Early Flat Dutch. A dwarf-growing type, principally used for early summer. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.75.

Early Winnigstadt. Resembles the Early Jersey Wakefield somewhat, but the heads are more pointed and not so early. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.75.

SECOND EARLY VARIETIES.

Early Drumhead. A large solid roundish flat-headed sort with few outer leaves. One of the best sorts to follow the Large Charleston Wakefield. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.50.

Henderson's Early Summer. The leaves have a more bluish cast than the other cabbages; the heads are roundish flat. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.50.

Succession. A very popular sort with the market gardeners. It matures about 10 days later than Early Summer. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.50.

LATE, OR WINTER VARIETIES.

All Seasons. (Vandergaw.) A very large head, round and solid. It is valuable for Summer or Winter use. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.50.

Danish Ballhead. An elegant medium late variety. Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.00.

Late Flat Dutch. (Improved Strain.) This has been selected especially for our trade, and seed was taken from the finest type of heads which were selected for solidity and uniformity. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.50.

Large Late Drumhead. Much like the above except the heads are not quite as large nor as flat. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.50.

Perfection Drumhead Savoy. A beautifully crimped-leaved sort, color a deep glossy green. The head is almost round. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.50.

Red Dutch Drumhead. A red variety, used extensively for pickling. Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.00.

Volga. The heads often weigh 12 to 15 pounds. The interior is pure white. The heads are very solid. Pkt., 5c. and 10c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50.

CABBAGE PLANTS.

Early Sorts. From hotbeds. All the leading varieties ready April 1st. 10c. doz.; 40c., 100 (by mail, 55c.); \$3.00, 1000.

Late Sorts. Ready July 1st. 40c., 100; \$3.00, 1000.

CAULIFLOWER. (Ger. Blumenkohl.)

One ounce of seed to 1500 plants.



Culture. When grown to perfection this is a most delicious vegetable, and well repays generous treatment in cultivation. With a deep, rich soil, and an abundance of moisture, which in dry seasons must be applied artificially, Cauliflower can be grown well. The cultivation is similar to that of the Cabbage. For early

Fall crops, sow in May and transplant in June, in rows four feet apart, setting the plants two feet apart in the row; water frequently if the ground is dry. Frequent hoeing and a liberal supply of rich, liquid manure, to keep up a continuous

and rapid growth, will produce splendid heads of the most delicate flavor. It facilitates blanching if the leaves are gathered loosely together and tied over the top of the head to protect it from the sun. Cut before the flowers begin to open. Sow as late as June 20 for late crops, in beds or in hills, covering one-half inch deep.

Dry Weather or Danish Giant. The great drought resisting variety; the heads are large, snow white and are protected with a liberal growth of foliage. This is the ideal variety to plant for summer use if you want to be sure of cauliflower at that season. Pkt., 10c., 25c., 50c., \$2.00 per oz.

Early Snowball. An extremely early dwarf variety, producing magnificent white heads of fine quality. Well adapted to hotbed culture. Pkt., 10c., 25c. and 50c.; oz., \$1.50.

Select Early Dwarf Erfurt. Of highest excellence, and for field culture not much surpassed by any type of newer name. Some so-called new varieties appear to be identical with Select Erfurt. Pkt., 10c., 25c. and 50c.; oz., \$1.50.

Veitch's Autumn Giant. A distinct and valuable late variety; heads large and fine, well protected by foliage. Pkt., 5c. and 10c.; oz., 50c.

CAULIFLOWER PLANTS.

Early Snowball. Ready in April. 60c., 100 (by mail 75c.); \$5.00, 1000.

CELERY. (Ger. Sellerie.)

One ounce will produce about 2000 plants.

Culture. Sow the last of March or early in April, in an open border, in rich, mellow ground, in shallow drills, watering freely in dry weather. By rolling or pressing in the seed the result will be more satisfactory than when covered. Cut the tops off once or twice before planting out, to make them stocky. When the plants are five or six inches high transplant the dwarf varieties three feet, and the taller sorts four feet between the rows; plant six inches apart in the rows. Cultivate well, and when large enough, blanch by earthing-up. The first operation is that of "handling," generally done the beginning of September; after the soil has been drawn up with the hoe it is drawn closer around each plant by the hand to keep the leaves firm, in an upright position, and to prevent spreading. When the plants have become set in an upright position the Celery wanted for early use should be banked, by throwing the soil up as close to the plants as possible with a plow and finishing it with a spade, bringing the earth up nearly to the tops of the plants.

French Golden Self-Blanching. For early use; preferred by many to all other sorts; as self-blanching as white Plume, and simply needs a slight earthing-up. The entire plant is an attractive yellowish green, and approaching its maturity the inner stems and leaves become a beautiful waxy golden color. Grows to a good size, very tender, crisp and solid, and when well grown is of excellent quality and very beautiful. Pkt., 10c. and 25c.; oz., \$1.00; ¼ lb., \$3.75.

White Plume. Unsurpassed for Fall and Early Winter use, requiring very little earthing-up to blanch it. Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 50c.; lb., \$1.50.

Celery continued on next page.



French Golden Self-Blanching
Proven Seed

This is a statement which Mr. A. L. Bosley, of Towson, Md., makes: The 3 pounds of fall varieties of Cabbage Seed you sold me certainly produced fine heads. Some of them would have filled a half bushel measure."

Giant Pascal. The stalks are very large, thick, solid, crisp and of a rich, nutty, flavor; it blanches very easily and quickly, and retains its freshness a long time. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

Golden Heart. Largely used, always giving satisfaction; a showy sort; solid, of fine flavor and a good keeper. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

Boston Market. A short, bushy, white, solid, excellent flavored market variety, constantly increasing in demand. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

Winter Queen. This variety grows a very thick, solid and heavy stalk, and has a large heart. It is a close, compact grower, and when blanched is a creamy-white color. Pkt., 5c. and 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Victory. Runs a close second to the above, very similar. Pkt., 5c. and 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Celery plants ready in July. 50c., 100. 1000 prices furnished on application.

CELERIAC, OR TURNIP-ROOTED CELERY.

Giant Prague Celeriac. (Prager Riesen Selerie.) This is unquestionably the largest and best Celeriac in existence. The roots are very large, twice as large as the Erfurt, almost globe shaped, smooth, with only a few roots at the bottom. Flavor is excellent. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

CORN SALAD. (Ger. Acker Salat.)



Large Leaved Corn Salad

Culture. Sow in Spring, in drills one foot apart; it will mature in six to eight weeks. For Winter and early Spring use, sow in drills in August and September.

Large Leaved. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

CRESS. (Ger. Kresse.)

Curled, or pepper Grass. The best sort for dry soils. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.

Water Cress. Requiring running water, ditch or pond. Pkt., 10c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.00.



Witloof Chicory

CHICORY. (Ger. Chicorie.)

Culture. Sow in April in drills. Transplant or thin to six inches; treat as Endive, except that late in Summer or Fall it should be gradually banked up like Celery.

Witloof. Known in restaurants as French Endive. The stalks when blanched make a delicious salad. It is used in Europe as a boiled vegetable. We want to get our customers interested in this delicious vegetable, and feel confident that after it has once been tried it will become quite as popular as Swiss Chard which was only planted very sparingly a few years ago. Every garden should have a row of Witloof Chicory and we feel sure that every amateur or experienced gardener will be pleased with the results. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.

CHERVIL. (Ger. Gartenkerbel.)

Curled, or Double. For garnishing, also as greens for soups. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 60c.

CARROT. (Ger. Moehre, oder Gelbe Ruebe.)

One ounce to 100 feet of row. 2 or 3 lb. to the acre.

Culture. A light, loomy soil that has been well manured the previous year is preferred for growing Carrots, although good crops may also be obtained from ordinary garden soil. For early use seed may be sown in hotbeds from January until March, and in the open ground as soon as the weather becomes warm and settled, usually in April. Sow seed one-half inch deep in rows 15 inches apart, and later thin to five inches in the row. Keep soil between the rows well hoed and free from weeds. From July 1st to 15th sow for Winter crops.

Pride of the Market. An ideal medium early, stump-rooted carrot; smooth and uniform in shape, averaging five inches in length, with thick, heavy shoulders, rather large tops and deep orange color. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Parisian Forcing. Extremely early, of small size, but very sweet, tender and beautiful orange red color. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Chantenay. Top medium sized, neck small, roots tapering slightly but uniformly stump-rooted and smooth; color deep orange-red; flesh very crisp and tender. Although this is a medium early sort, it furnishes roots of usable size as early as any, is a heavy cropper, and is undoubtedly one of the best for both the market and private garden, and its great productiveness makes it desirable as a field sort. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Danvers, or Half-Long Orange. Owing to its enormous yield, this variety is the best and most profitable for main crop, also desirable for feeding cattle. It is somewhat longer, thicker and a better keeper than the Chantenay. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Guerande, or Oxheart. A short thick carrot not exceeding four inches in length and about the same in width which does quite well on hard, heavy soils where the longer varieties are useless. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

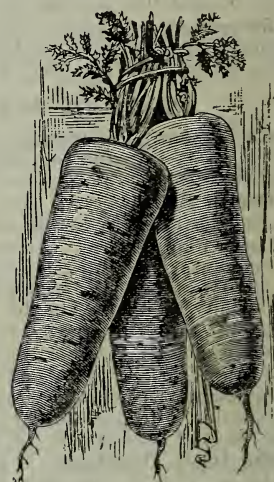
Intermediate. (St. Valery). Matures earlier than Long Orange Improved; has shorter and broader roots which gradually taper to a point. Valuable for feeding stock. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Long Orange Improved. The longest and latest of all carrots; unsurpassed for its keeping qualities. Fine for feeding stock. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

SWEET, or SUGAR CORN. (Ger. Zucker Mais.)

One quart will plant 200 hills: eight to ten quarts in hills to acre.

Culture. The Sweet or Sugar varieties, being liable to rot in cold or wet ground, should not be planted before May, or until the ground has become warm; for a succession continue planting every two weeks, until the middle of July, in rich, well-manured ground, in hills three feet apart each way, covering about half an inch, and thin out to three plants to a hill. Extra early varieties can be planted 18 inches in the row and $2\frac{1}{2}$ feet between the rows. The field varieties should be planted four feet apart each way, leaving three plants to a hill.

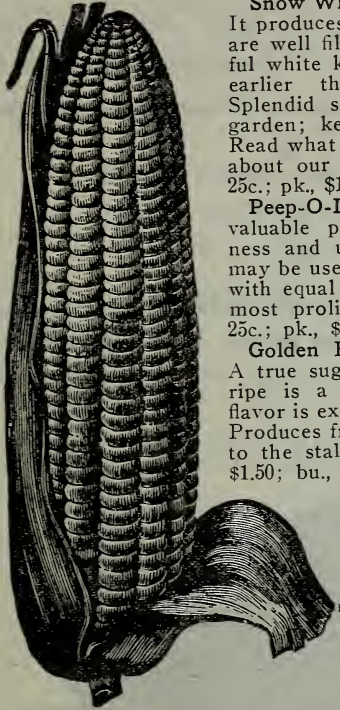


Pride of the Market Carrot

SWEET, or SUGAR CORN—Continued.

Extra Early Adams. Height of stalk three to four feet, ears set within six inches of ground. Not a sugar corn, but a decided acquisition so early in the season. Pt., 10c.; qt., 20c.; pk., 75c.; bu., \$3.00.

Early Adams. Similar to Extra Early Adams; larger, but not so early. Pt., 10c.; qt., 20c.; pk., 75c.; bu., \$3.00.



Snow White Evergreen Sugar Corn

popular as Stowell's Evergreen. Pt., 15c.; qt., 25c.; pk., \$1.00; bu., \$3.50.

Early Mammoth. Large ear, and early; splendid early market sort. Pt., 15c.; qt., 25c.; pk., \$1.00; bu., \$3.50.

Stowell's Evergreen. Matures for table in about 80 days from germination. One of the sweetest, ears large, deep grained, of excellent quality, remaining green longer than any other variety. Pt., 15c.; qt., 25c.; pk., \$1.00; bu., \$3.50.

Stowell's Evergreen on Ears. Each, 5c.; doz., 50c.

Late Mammoth Sugar. The strongest growing of all sugar corns. Takes 85 days to reach maturity for table. The ears are very large and showy. Pt., 15c.; qt., 25c.; pk., \$1.00; bu., \$3.50.

Country Gentleman, 70 Days. A short-stalked, productive sort. Ears large for so small a stalk; grain narrow and very deep; excellent quality. Pt., 15c.; qt., 25c.; pk., \$1.25; bu., \$4.50.

Shoe Peg, or Ne Plus Ultra. Very similar to the above. Pt., 15c.; qt., 25c.; pk., \$1.25; bu., \$4.50.

Red Cob, or 90-Day Corn. A distinct and well-known sort of white corn; matures in about 90 days; produces large, handsome ears. ¼ pk., 25c.; pk., 75c.; bu., \$2.50.

HORSE RADISH ROOTS.

Ready April 1st. Extra strong roots will produce large size radish the first season.

Regular Variety. Doz., 15c.; 100, 50c.; (postpaid 65c.); 1000, \$4.00.

Maliner Kren. A large quick-growing variety, which is now the very best horse radish grown. Doz., 25c.; 100, 75c.;

POP CORN.



Popping Corn
Corn Poppers. 15c. each.

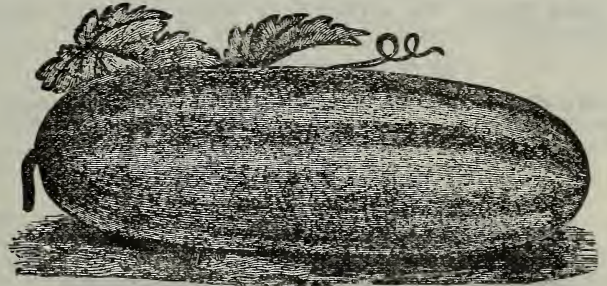
There is hardly a home in the country during winter where popping of corn is not a pastime. Not all Pop Corn is the right kind for popping. What we offer can be relied upon for planting or popping.

White Rice. Lb., 10c.; 3 lbs., 25c., 10 lbs., 75c.

CUCUMBER. (Ger. Guerke.)

One ounce will plant fifty hills; two pounds, one acre.

Culture. For very early Cucumbers, sow the first of April in a hotbed, upon pieces of sod or in small pots, so that they can be readily transplanted to the open ground (in rich soil) when danger of frost is over. For general crop plant, if the weather has become settled and warm, in hills about four feet apart each way; thin out to four of the strongest plants to each hill. They succeed best in a warm, moist, rich, loamy soil. For succession sow until the middle of August.



Early Fortune Cucumber

Early Fortune. A great favorite with our Anne Arundel County farmers for its early maturity, productiveness, uniformity in large size and dark green color. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 75c.

New Klondike. One of the best for shippers. Grows vigorous vines, fruits early and abundantly. Dark green in color, large size, and of fine flavor. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

Improved Early White Spine. The old standard favorite. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c. Special prices on large quantities.

Arlington White Spine. Another standard sort. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c. Special prices on large quantities.

Improved Long Green. Long and crisp; a popular and reliable variety for pickles. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

Jersey Pickle. Productive and said to "green" better than any other variety, and to "hold color." Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

Livingston's Evergreen. A very strong grower, very early, bears firm, crisp fruit, which is excellent for slicing or pickling. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

Early Green Cluster. A short, prickly variety, bearing clusters, prolific. Fine for bottle pickles. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

Small Gherkin, or Burr. Used only for pickling while young and tender. Pkt., 5c. and 10c.; oz., 25c.

Cucumbers continued on next page.

Gentlemen:—I want to inform you that when all other Lettuce had gone to seed and was burnt up this past summer, I was still hauling fine heads of Lettuce produced from your M. & S. Belvedere Lettuce Seed.

Yours truly,
JOHN COMES, Fullerton, Md.

CUCUMBERS—Continued.

Japanese Climbing. Distinct from other varieties, being a real climber. Very prolific of fruit. A valuable interesting novelty. Pkt., 5c. and 10c.; oz., 20c.

English Forcing Telegraph Cucumber. These are ideal for growing outdoors as well as under glass. They produce enormous fruits, generally 18 to 24 inches long and 3 inches in diameter. They have a delicate flavor and possess very few seeds; for slicing, no other sorts can approach them. Pkt. of 12 seeds, 25c.; 100 seeds, \$1.25.

EGGPLANT. (Ger. Eierpflanze.)

One ounce will produce about 1000 plants.



Black Beauty Eggplant

Black Beauty. The earliest large variety; color rich, dark purple. Pkt., 5c. and 10c.; oz., 25c.; ¼ lb., 85c.

EGG PLANT PLANTS.

Egg Plants. Plants ready in May and June. Pot-grown, 50c. dozen, \$4.00 per 100. Drawn plants, 25c. dozen, \$1.25 per 100.

ENDIVE. (Ger. Endivie.)



Green Curled Endive

top with yarn or bast. This must be done when quite dry, or they will rot. At the approach of Winter, take up carefully, with a ball of earth to each plant, and place close together in frame or cellar for use. They must be kept dry and have plenty of air.

Green Curled. Tender and crisp. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.00.

White Curled. Self-blanching. Very tender when young; blanches readily. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.00.

Broad Leaved Batavian (Escarrole). This variety is chiefly used in soups and stews; it requires to be tied up for blanching. Pkg., 5c. and 10c.; 1 oz., 15c.; ¼ lb., 40c.; lb., \$1.25.

HERBS. (Ger. Krauter.)

Culture. Herbs delight in a rich, mellow soil. Sow seeds early in Spring in shallow drills, one foot apart; when up a few inches thin out to proper distances, or transplant. They should be cut on a dry day just before they come into full blossom, tied in bunches and hung up or spread thinly where they can dry quickly.

Sage. For seasoning and dressing. Pkt., 5c. and 10c.; oz., 20c.

Thyme (Broad Leaf). For seasoning, also for making tea for nervous headache. Pkt., 5c. and 10c.; oz., 25c.

Sweet Basil. For flavoring soups. Pkt., 5c. and 10c.; oz., 20c.

Summer Savory. Used for flavoring. Pkt., 5c. and 10c.; oz., 15c.

Lavender. For flavoring and perfumery. Pkt., 5c. and 10c.; oz., 25c.

Caraway. Seeds used to flavor bread. Pkt., 5c. and 10c.; oz., 15c.

Sweet Marjoram. Leaves and ends of shoots used for seasoning. Pkt., 5c. and 10c.; oz., 20c.

Rosemary. Leaves are used for seasoning. Pkt., 5c. and 10c.; oz., 30c.

Dill. The seeds are used as a condiment and for pickling. Pkt., 5c.; oz., 10c.; lb., 60c.

Rue. Pkt., 5c. and 10c.; oz., 20c.

Coriander. Pkt., 5c. and 10c.; oz., 15c.

Borage. Pkt., 5c. and 10c.; oz., 15c.

Fennel. Pkt., 5c. and 10c.; oz., 15c.

Wormwood. Pkt., 5c. and 10c.; oz., 20c.

KALE. (Ger. Krauskohl.)

One ounce sows a drill of about 100 feet. 2 to 3 lb. to the acre.

Culture. Sow from May to June, and cultivate same as Cabbage. For early Spring use, sow in September, and protect during Winter.

The Kales are more hearty than Cabbage, and make excellent greens for Spring and Winter use, and are improved by frost.



Emerald Isle Kale The finest Kale in the world.

Emerald Isle Kale. This is really the handsomest Kale that has ever come under our notice, and is entirely distinct from other strains. The closely curled, handsome leaves are most attractive. A fine exhibition plant of medium height. Very hardy. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 25c.; lb., 75c.

Dwarf German Kale. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 30c.

Tall Scotch. Best for Summer. Very spreading, nicely curled and hardy; frost improves it. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

New Imperial Long Standing. The leaves are very crimp and of a dark green color. It stands quite tall and is an excellent producer. It is just as hardy as any of the other sorts, and will be found very profitable where quantity as well as quality is desired. Pkt., 5c.; oz., 15c.; ¼ lb., 15c.; lb., 35c.

Mossback Kale. Very curly, light in color, not very hardy. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

Gentlemen:—I think it may be of some interest to you to know that I have had wonderful results with your pure culture
•Mushroom Spawn. Most respectfully,
MRS. J. J. GEORGE, Long Green, Md.

KALE—Continued.

Dwarf Green Curled Scotch, or Norfolk. One of the most popular shipping sorts; very largely used in the Norfolk trucking district. The leaves are of a bright green color, beautifully curled. Should be sown in rows in August and September. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Borecole, Hardy Winter. This variety is grown and treated like cabbage. The plant attains a height of 18 inches, with an abundance of beautiful light green leaves which are densely curled and crimped. Besides being very hardy it possesses the advantage of all other varieties in forcing a second crop of moss-curved leaves as soon as the first ones are cut. This new growth is of finest quality, and is ready for market during the Winter and early Spring months, when it demands fancy prices. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

KOHL-RABI. (Ger. Kohlrabi.)

One ounce will sow 150 feet of drill.



This is a favorite vegetable in Europe, where it is extensively grown for table use. The bulb is formed above ground, and, if used when young and tender, makes a most delicate dish for the table.

Earliest White Vienna. Greenish white outside, with clear white flesh within. Smooth, short leaf; good for forcing; fine quality. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

Earliest Purple Vienna. Same in every respect as the Earliest White Vienna, except in the outside color. Pkt., 5c. and 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

LETTUCE. (Ger. Salat.)

Two ounces of seed to 100 yards of row; one ounce for 2,000 plants.

Culture. Lettuce is now sown during most all seasons of the year. For outdoor use the seed can be sown in well-manured hotbeds in February and March. Transplant there or outdoors when the weather will permit, in rows about 12 inches apart, 10 inches apart in the row. If the salad is not to head, sow thickly and cut as desired. For best results it is well to sow only the varieties best suited to the different seasons and conditions. For Winter use sow the seed in September in hotbeds and follow it with other sowings for succession.

Best of All. A great drought and heat resister; forms large compact heads of light green leaves and yellow heart. Pkg., 5c. and 10c.; oz., 20c.; $\frac{1}{4}$ lb., 40c.; 1 lb., \$1.50.

Black Seeded Simpson Lettuce. Fine, large, loose heads, early, finely fringed and curled; very popular for family garden and forcing. Pkt., 5c. and 10c.; $\frac{1}{4}$ lb., 30c.; 1 lb., \$1.00.

M. & S. All-Right. For early spring and fall sowing. Produces beautiful light green heads, often 12 inches in diameter, very solid and with a rich buttery heart of light yellow. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; 1 lb., \$1.25.

Grand Rapids. Excellent for forcing, fine quality, large, loose, yellowish-green head, stands well. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

White Paris Cos. Has long, narrow, upright leaves; does not head, but when tied up blanches very nicely. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

California Cream Butter. A good Summer sort, of reliable heading quality. Yellowish-green, slightly marked with brown specks. This is a variety growing in favor. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

Improved Hanson. Large, compact, reliable header; outside leaves curled. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

Big Boston. Resembles Boston Market, but nearly twice as large, desirable for forcing and Spring and Fall outdoor planting. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Boston Market, or White-Seeded Tennisball. Early and compact, quite desirable, good forcer. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

Oak Leaf. Quite popular. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

Big Head. A big, compact head. Has no core, but a tender, golden heart. Unexcelled for shipping; it resists the cold, and withstands the Summer heat. Crisp, mild flavor. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Improved White Loaf. Large, compact heads. Light-green color; tender and crisp. The best Winter lettuce to plant. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Defiance. Leaves green, heads large, solid; one of the best large-growing cabbage lettuces. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

M. & S. Strain All-Season. A cabbage lettuce of sterling merit, making larger and more closely folded heads than any other known variety. The outer leaves are a bright, soft green, the inner ones rich golden yellow. The solid heads measure from eight to ten inches across. Black seed. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

May King. This valuable new lettuce from Germany is, without any question, one of the best lettuces on the list for early Spring planting in the open ground. The heads are six to seven inches in diameter, of a clear light green, the outer leaves being slightly tinged with brown, the inner being clear, bright yellowish, with very rich, oily flavor. It is an excellent market sort, the round, compact heads being so solid that they carry extremely well. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

Unrivalled. This grand new lettuce can be sown most any time, slow in running to seed; has beautiful green outside leaves and white heart and is tender and crisp. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

**M. & S. Belvedere Lettuce.**

M. & S. Belvedere Lettuce. Last season we introduced this grand Lettuce after having it in our trial grounds for two seasons, and we were amply repaid by the success which our Truck Farmer customers had with it. (Read what Mr. John Comes says about it.) The M. & S. Belvedere is extremely slow in running to seed; it is therefore the ideal lettuce to plant in the spring, as it withstands the summer heat better than any variety we have known so far. It is all green, no red edges, is tender and crisp and has a fine yellow heart. The seed is scarce, and we advise our customers to order quick. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; 1 lb., \$2.50.

Lettuce Plants. 40c. 100 (postpaid, 50c.).

LEEK. (Ger. Lauch.)

One ounce to 150 feet of row.



American or Flag Leek

Culture. Sow the seed and care for the young plants same as for Onions, but they need a little more room to develop fully. When the young plants are about the size of a goose quill, transplant into a prepared bed in rows one foot apart and four to five inches in the rows. Set the roots deep and draw the earth to them when cultivating, so that they may be well blanched by the time they are fit for us.

Giant Carentan. Produces a large, thick stem, and of mild flavor. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.00.

American, or Flag. One of the hardiest and best for Winter use. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 30c.; lb., \$1.00.

MUSKMELON, or CANTALOUPE. (Ger. Melone)

One ounce will plant about 50 hills; two to three pounds in hills to acre.

Culture. Thrives best in light, rich soil. Plant early in May, in hills six feet apart. Manure in hill and sow seed freely. After danger from bugs is past thin to three plants per hill. When one foot long, pinching off tips makes vines branching and strong, and fruit will mature earlier. Water freely and feed liquid manure occasionally. For early use, sow in hotbed, on pieces of sod.



Rocky Ford Cantaloupe

M. & S. Delicious Gold-lined Rocky Ford Cantaloupe. This strain of the Eden Gem type is the result of several years selection by one of the most progressive farmers of Rocky Ford, Colo. Its shape is ideal, very slightly oval, no ribs, and it is heavily netted over the entire melon. The bloom button is small and flesh as thick at the end as elsewhere. The melon is thick meated, fine grained and sweet; color green, with a gold margin next to the seed cavity. Our claim for this melon is its uniform shape, size and very superior quality. Its flesh is attractive and elicits favorable comment when served. Every seed we offer from this strain will be from a select melon and hand seeded. We recommend this seed for the use of Melon Growers' Associations and high-class Market Gardeners. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.; 1 lb., \$1.50.

Rocky Ford. We have a very fine stock of this popular cantaloupe. Small, oval, of excellent quality and a good shipper; early; green fleshed. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 50c.

Early Netted Gem. One of the best of small melons, and very popular. Prolific and of excellent quality. Very early. A great favorite. Green fleshed. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 50c.

Emerald Gem. Small, green skin, delicious yellow flesh. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

Acme, or Baltimore Nutmeg. A great favorite for retail market and for shipping. Large, oval, deeply netted, solid and of fine quality. Green fleshed. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 50c.

Jenny Lind. Very early, small, round, netted and of fine quality; green fleshed. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

Hackensack, or Turk's Cap. A very fine, large sort; green fleshed. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

Miller's Cream, or Osage. Melons are large and round, with light green, netted skin, and thick, sweet, salmon-colored flesh. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

Knight Cantaloupe. True Anne Arundel County grown strain. The great favorite of the Baltimore market, of good size, deeply netted, green flesh, and delicious flavor. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.25.

Banana. This melon surpasses all others in its delicious fragrance. The flesh (the melon being nearly solid) is of a rich salmon. The quality is first rate when the melon is thoroughly ripe. It grows from 20 to 28 inches in length and is very prolific. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 40c.

Montreal Market. The large fruits are nearly round in form, slightly flattened at ends, with very large, broad, heavy ribs. Dark green skin, thickly covered with heavy netting. The flesh is two inches thick, light green, melting, and of delicious flavor. This is the variety which is grown exclusively on the Island of Montreal, and commands such high prices during the fall months. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

Imported Varieties for Forcing in Greenhouse.

Blenheim Orange. A favorite variety, scarlet flesh, good flavor. Pkt., 25c.

Windsor Castle. Green flesh, oval shape, finely netted, delicious flavor. Pkt., 25c.

MUSTARD. (Ger. Senf.)

White Mustard. For salads and culinary purposes. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 50c.

Brown Mustard. Stronger than above. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 50c.

WATERMELON. (Ger. Wasser Melone.)

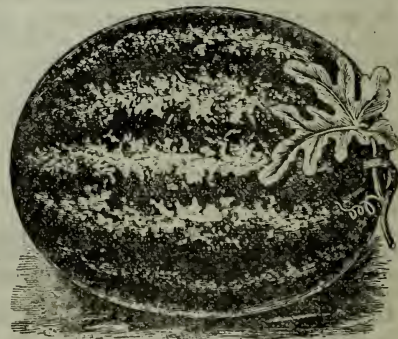
One ounce for thirty hills; four to five pounds for an acre.

Culture. Watermelons should be planted in hills eight to ten feet apart. Otherwise for culture, see directions for cantaloupes. Do not grow them near pumpkins or gourds.

Monte Cristo, or Kleckley Sweets. Where sweetness combined with large size is desired this variety will surely please, as it not only produces melons above the medium size, but has that crisp, sugary flavor so much desired in a watermelon. It is the sweetest of all. Oval shape, skin dark green and somewhat mottled. The rind is thin, but sufficiently tough to stand carrying to nearby markets. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 40c.

Triumph. Large oval, handsome dark green color, fine variety and of excellent quality. One of the finest melons ever introduced. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 40c.

Florida Favorite. Large, long, striped, excellent for family garden. Rind thin, but firm; flesh very deep red and very sweet. Splendid shipper. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 40c.



Triumph Watermelon

Gentlemen:—I take pleasure in telling you that I never had such fine potatoes as the ones that I grew from the Red Bliss Potato Seed that you sold me last spring.

CAPT. JOHN SAVILLE, Elderslie Ave., Mt. Washington, Md.

WATERMELONS—Continued.

McIver's Wonderful Sugar. Resembles Old Rattlesnake, superior in quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

Gray Monarch, or Long White Icing. Very large, long, crimson flesh. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

Mountain Sweet. Popular sort; early and sweet. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

Dark Striped; Kolb's Gem. The great shipping melon. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 35c.

Tom Watson. This melon has created quite a furore wherever grown, and we believe is unquestionably the best quality shipping melon in our list. It has a dark green rind, solid red luscious meat, ripening close up to the rind. The rind is very tough, making it an excellent melon for shipping long distances. Its flavor and fine qualities also commend it very

strongly for the private grower. We believe it is destined to become one of the most popular melons on our list. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c.

Improved Georgia Rattlesnake. The Old Rattlesnake has always been regarded as a fine melon. Our strain is the result of careful selection by an experienced melon grower through many years of careful and watchful work. The rind is thin and tough, the flesh deep scarlet, the flavor unsurpassed by any other sort. We strongly recommend it both for shipping and home use. Our improved stock is very much superior to the ordinary Georgia Rattlesnake. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

Citron. Grows uniformly round and smooth, striped and marbled with light green. Flesh white and solid; seeds red. It should be borne in mind that this variety is not used for eating in the raw state, but for preserves, pickles, etc. Pkt., 5c.; oz., 10c.; lb., 60c.

MUSHROOM—SPAWN.

(Ger. Champignonbrut.)

Have you ever raised Mushrooms or are you trying to and not meeting with success? The Spawn we offer is the best obtainable, and with each purchase of same we give away, when desired, a complete guide on Mushroom culture, which otherwise sells for 35c cents.

The ever-increasing demand for this delicacy for hotels and the home table has resulted in the establishment of many successful commercial growers.

Culture. Mushrooms can be grown in cellars, sheds, hotbeds, and sometimes in the open air. Fermenting horse manure, at a temperature of about 70 degrees and mixed with an equal weight of fresh sod loam, is made into beds the required size, eight inches deep. See to it that the bed is packed solidly and evenly. In this bed plant the broken pieces of Spawn six inches apart, covering the whole with two inches of light soil, and protect from cold and rain. One brick will plant eight or ten feet of bed. The Mushroom will appear in about six weeks. Water sparingly with lukewarm water.

Prices for direct bricks (Lambert's Pure Culture Spawn). 1 brick, 25c.; 5 bricks, \$1.10; 10 bricks, \$2; 25 bricks, \$4.



This illustration shows a cluster of fifty Mushrooms on one root, grown from our "Pure Culture Spawn."

OKRA, or GUMBO. (Ger. Safran.)

Four ounces to forty feet of drill.

Culture. Sow the seed thickly in rich ground about the middle of May, or when the ground has become warm, in drills three feet apart, one inch deep; thin to 10 inches apart in drills.

Grown for its green pods, which are used in soups, stews, etc., to which they impart a rich flavor, and are considered nutritious.

White Velvet, or Lady Finger. Bears round, white, smooth pods, unlike other varieties, which are ridged or square edge. The pods are of extra large size, and are produced in great abundance. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

Improved Dwarf Green Prolific. Of dwarf growth, but immensely productive, and very early. Short, thick, green pods. Home grown seeds of superior quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.



Improved Dwarf Green Prolific Okra

Home grown seeds of superior quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Perkins' Mammoth Podded. A distinct, valuable new okra. Its productiveness is simply wonderful. The pods shoot out from the stalk within three inches of the ground, and the whole plant is covered with them to the extreme of its height. The pods are of an intense green color, of unusual length—eight or nine inches—and do not get hard, as is the case with other okras. Very superior for canning. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

ONION. (Ger. Zwiebel.)**AMERICAN GROWN SEED.**

One ounce for 100 feet of drill; six pounds for one acre.

Culture. For sets, sow the seeds as early as possible in the Spring, very thickly, in drills. As soon as the tops dry off in Summer, remove them to a dry, airy place, and early in the following Spring replant by placing the sets in shallow drills 12 inches apart and about four inches apart in the drills; the Onions by this process obtained are of a large size early in the season. They may also be grown to full size during the first season by sowing thinly in drills one foot apart and about one-quarter inch deep in March or early April, in strong land, well manured, and thinning them out to stand three or four inches apart in the drills.

Onions continued next page.

Carney, Sept. 15th, 1913.—Gentlemen:—I want to inform you that my neighbors and visitors tell me that I have the finest fields of Corn in a circuit of 25 miles from your Boone Co. White and Colliers' Success Yellow Field Corn.

Yours truly,

A. FENKER

ONIONS—Continued.

By sowing Onion Seeds in frames in February or March, and transplanting in April, Onions of immense size can be obtained. Use Prizetaker or Bermuda varieties for this.

Yellow Globe Danvers. One of the most extensively used yellow onions. Bulbs of medium size, uniformly globe shaped, with small neck, and ripen very evenly. Flesh white, crisp, and of mild and excellent flavor. We have developed a strain which has the ripening habit and small neck of the original Danvers and yet is more globular, thus giving larger yields and handsomer bulbs without sacrificing any of the good qualities of the original Danvers. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Extra Early Barletta. An extremely early maturing variety, very white and particularly desirable for pickling. Bulbs very small and firm. Pkt., 5c. and 10c.; oz., 20c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.75.

White Silverskin. Ripens early; of large size, mild in flavor, and excellent for Winter use; much esteemed for pickling when small. Pkt., 5c. and 15c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.35.

Large Red Wethersfield. Grows to full size the first season from seed; almost round, large size, deep red color, and keeps well. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

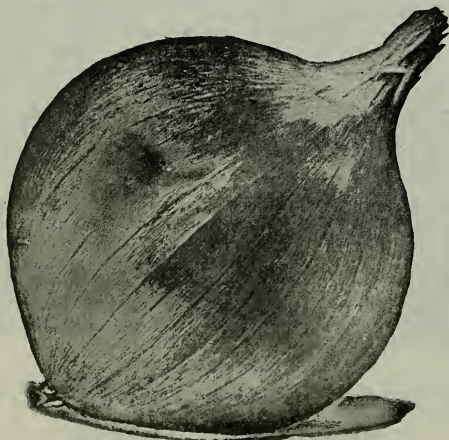
Australian Brown. The bulbs grow to a good marketable size, and are very hard and solid. They ripen earlier than either Yellow Danvers or Red Wethersfield, are beautiful brown color and mild flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

Chives Seed. Pkt., 10c.; oz., 75c.

Bermuda Varieties. They are of a mild and delicate flavor, and keep longer than any foreign variety. They will produce full-grown onions from seed the same season. In the South seed sown in the Fall will produce fine large onions for market in early Spring.

Red Bermuda. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

White Bermuda. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.



Prizetaker Onion

Prizetaker. This is the large, pale yellow onion that is offered for sale in the fruit stores and markets in the Fall. It grows to a very large size; flesh white, of mild and delicate flavor. The large onions are raised first year from seed, and with ordinary culture produce enormous crops. The onions sometimes go over three pounds each in weight where good soil and culture is given them. Our seed is pure and genuine. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

ONION SETS.

Onion Sets should be planted out as early in Spring as the ground is dry enough to work; plant in rows one foot apart, with sets three or four inches apart.

Yellow Danvers. Pt., 10c.; qt., 15c.; pk., 75c.; bu. of 32 lbs., \$2.50.

Large Red Wethersfield. Pt., 10c.; qt., 15c.; peck, 75c.; bus. of 32 lbs., \$2.50.

White Silver Skin. Pt., 10c.; qt., 15c.; pk., 75c.; bu. of 32 lbs., \$2.50.

Price on Onion Sets subject to change. Add 10c. qt. if to go by mail.

PARSLEY. (Ger. Petersilie.)

One ounce to 150 feet of drill.

Culture. Parsley requires rich, mellow soil. The seed is even slower than Parsnip in germinating, and should be sown as early as possible in the Spring, in drills one foot apart, and when the plants are well up thin to one foot in the row. When the plants are about three inches high cut off the leaves, the plant will start a new growth.



Champion Moss Curled Parsley

Champion Moss Curled. A distinct variety of unequalled merit, beautifully crimped and curled. It can be cut the year round, as it rarely runs to seed. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c.

Green Mountain Parsley. Beautifully crimped and curled, perfectly hardy and vigorous grower. Pkg., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; 1 lb., 50c.

Plain, or Single. Very strong in flavor, but not curled. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.

Hamburg, or Rooted. Edible roots. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.

PARSNIP. (Ger. Pastinake.)

One ounce for 200 feet of drill; five to six pounds for an acre.

Culture. Sow as early in the Spring as the weather will admit, in drills 15 inches apart and one-half inch deep, in a rich, deep soil; thin out to six inches apart in the rows. The quality of the roots is improved by leaving them in the ground over Winter for Spring use.

Improved Hollow Crown. The best variety. A great cropper, roots long, very smooth, white, tender, sugary, and of excellent flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.; 5 lb., \$1.75.



PEPPER. (Ger. Pfeffer.)

One ounce will produce 1000 plants.



Ruby King Pepper

Culture. Sow in hot-beds in March or April, or on a warm, sheltered border in May, and when the season is favorable transplant in rows two feet apart and 18 inches in row, in good, rich ground.

Ruby King. Good for Mangoes or pickling, very sweet. Large, quite productive. Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.00.

Large Bell, or Bull Nose. Large early variety; mild flavor, thick and fleshy. Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 50c.; lb., \$1.75.

Long Red Cayenne. Long, slim, and very pungent. Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 50c.; lb., \$1.75.

Small Chili. Small, red, conical pods. Very hot and prolific. Pkt., 5c. and 10c.; oz., 25c.; ¼ lb., 75c.

Large Sweet Spanish. Very large and mild. Also called Sweet Mountain. Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 50c.; lb., \$1.75.

Chinese Giant. A recent introduction; large, of particularly fine quality. Pkt., 10c.; oz., 35c.; ¼ lb., \$1.00; lb., \$3.50.

Red Cherry. Pkt., 5c. and 10c.; oz., 25c.

Pepper Plants. Ready in May and June. Doz., 15c.; 100, 60c.

GARDEN PEAS. (Ger. Erbsen.)

Sow one quart of seed to 100 feet of row; one and one-half to two bushels to the acre in drills.

Culture. Peas succeed best in light, dry, loamy soil. Early and dwarf sorts require richer soil than the late varieties. If manure is used, let it be old and well rotted, or there will be a rank growth of vines with few pods. Sow the early, smooth, round sorts as early in the Spring as the ground can be worked. Seeds of wrinkled varieties are more liable to rot if the ground is cold, and must be planted later. Sow in single rows, dwarf sorts three feet apart and tall sorts four feet, or in double drills, six to eight inches apart, one inch apart in the drill, and not less than four inches deep, for late sorts five to six inches deep. Deep planting prevents mildew.

Peas were an extremely short crop last season and prices are high.

Packets of all varieties of Peas, 5c. and 10c.

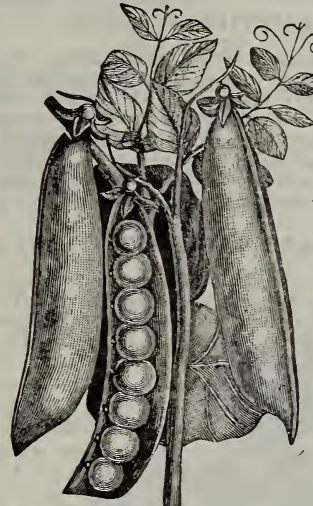
If wanted by mail, add 10c. per pt., or 15c. per qt., extra.

Prices on all Pea Seeds are subject to market changes.

EXTRA EARLY VARIETIES.

Pedigree First and Best. An excellent strain of first early peas; very popular and largely planted throughout the trucking sections. Height two to two and one-half feet. Pt., 15c.; qt., 25c.; pk., \$1.35; bu., \$5.00.

Prolific Early Market. This is one of the largest podded and most productive of all smooth-seeded extra early peas. Vines grow about 30 inches in height, and can all be gathered in two pickings. The pods are remarkably well filled, and the peas sweet and fine flavored. A most satisfactory prolific early sort, both for the market gardener and the home garden. Pt., 15c.; qt., 25c.; pk., \$1.40; bu., \$5.00.



M. & S. Little Marvel

extremely valuable variety, especially suited to small home gardens, and also a splendid variety for early market gardening. It matures very early and produces large crops. The vines grow about 15 to 18 inches in height. The pods are dark green, fair sized, produced in pairs, and are closely filled with seven to eight peas of extra fine flavor. Pt., 20c.; qt., 35c.; pk., \$2.00; bus., \$7.00.

Extra Early Alaska. Popular among market gardeners for an early crop. The pods are medium size, dark green in color and ripen almost at one time. Pt., 15c.; qt., 25c.; pk., \$1.25; bu., \$4.75.

Long Podded Alaska. Vines of this variety grow about three feet high and are heavy bearers. The pods, three inches long, mature shortly after Alaska and are well filled with sweet, tender peas. Pt., 20c.; qt., 35c.; pk., \$1.50; bu., \$5.50.

SECOND EARLY VARIETIES.

Gradus, or Prosperity. One of the most popular wrinkled sorts. Even though it matures a short time later than the extra earlys, the pods, fully as long as those of the well-known Telephone, contain very large peas that are unexcelled for sweetness. Superior variety for market or garden. Pt., 20c.; qt., 30c.; pk., \$2.00; bu., \$7.00.

Nott's Excelsior. One of the best dwarf early wrinkled peas. It grows about 14 inches high, very productive, and the pods three inches long, generally contain six or seven large, sweet peas of the finest quality. Well recommended for home use. Pt., 20c.; qt., 35c.; pk., \$2.00; bus., \$7.00.

Premium Gem. The round pods, two and one-half inches long, are borne on short bushes, which are well suited to small gardens. Pt., 15c.; qt., 25c.; pk., \$1.75; bu., \$6.00.

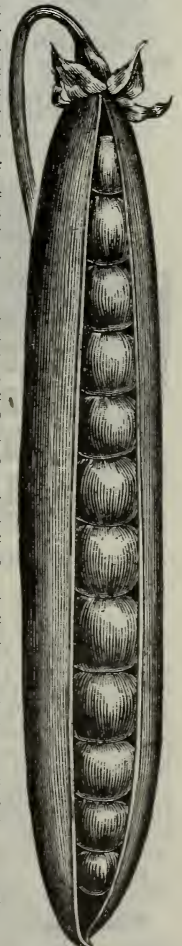
American Wonder. Dwarfier and a trifle earlier than the preceding, but not quite so productive. The peas are sweet, tender and of delicious flavor. Pt., 20c.; qt., 35c.; pk., \$2.00.

Thomas Laxton. An exceptionally fine variety, growing three feet in height and yielding large podded peas, four to five inches in length, of the finest flavor. Pt., 20c.; qt., 30c.; pk., \$2.00; bu., \$7.00.

Daisy, or Dwarf Telephone. The striking features of the Daisy Pea are its large pods and the way in which they are heaped up in ridges on the short, strong vines. The pods are nearly double the size of American Wonder or Premium Gem, and are always well filled with large peas of most excellent quality. The vines are 16 to 18 inches high, and, being strong and thrifty, require no support, making it an ideal variety for use where brush or stakes are not available. This pea is desirable on account of the fine appearance of the pods, and always finds a ready sale. Pt., 15c.; qt., 25c.; pk., \$1.75; bus., \$6.00.

Dwarf Prolific Green Marrow. Very similar to the above. Price the same as Daisy.

Peas continued on next page.



Gradus, or Prosperity Pea

SECOND EARLY VARIETIES—Continued.

Bliss' Everbearing, or Abundance. Vine stout, about two and one-half feet high, bearing at the top six to ten broad pods. If these are picked as they mature and the season and soil are favorable, the plant will throw out branches bearing pods which will mature in succession, thus prolonging the season. The peas are large and wrinkled, cook very quickly, are tender, of superior flavor and preferred by many to any other sort. Pt., 15c.; qt., 25c.; pk., \$1.75; bu., \$6.00.

MEDIUM AND LATE VARIETIES.

Telephone. For general planting this tall-growing variety is undoubtedly the most popular among market gardeners. The pods, four to four and one-half inches long, are light green in color and filled with large, sweet, tender peas. Pt., 15c.; qt., 25c.; pk., \$1.75; bu., \$6.00.

Champion of England. A standard pea; vines grow four and one-half feet high and bear medium-sized pods of peas of good quality. Pt., 15c.; qt., 25c.; pk., \$1.50; bu., \$5.50.

Improved Sugar Marrow Peas. We have the genuine stock of this variety. This pea is the kind planted principally by the larger growers around Baltimore for late crop. It is a strong grower and produces an abundance of large, well-filled pods. Pt., 15c.; qt., 25c.; pk., \$1.75; bu., \$6.00.

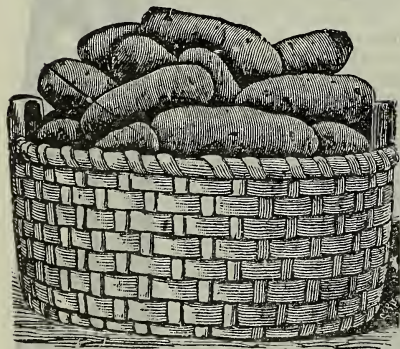
French Canner. Largely grown for canning. It is very productive, the pods are long, slightly curved and well filled; quality is good; late. Pt., 15c.; qt., 25c.; pk., \$1.25; bu., \$4.50.

Tall Melting Sugar. The pods as well as the peas of this variety are edible and both very sweet. Pt., 20c.; qt., 35c.

Use **FARMOGERM** on Garden Peas and watch results. Price, 50 cents per bottle. For particulars see index.

POTATOES. (Ger. Kartoffeln.)

Ten bushels cut tubers will plant one acre.



M. & S. Fill Basket. Pedigreed Stock.

Culture. Planting may commence as early in the Spring as the ground can be worked. Place one piece every 12 inches in rows 2½ feet apart, covering about four inches. When cutting the seed care should be taken that at least one good eye, or two small ones, is allowed to each piece. Sandy loam produces the best potatoes.

Our barrel sacks contain two bushels and three pecks.

Prices on quantity of Potatoes furnished on application.

Potato prices subject to market fluctuation.

M. & S. Fill Basket. On account of the large yields that have been reported of this potato, our sales on it have increased wonderfully. It is of handsome shape and most desirable for the best trade. It is a vigorous grower, ripens uniformly, is a good keeper and is fast becoming one of the most popular medium late varieties. The vines are always very heavy, the seed being especially vigorous, and tubers always good size where soil is well tilled. Our customers will find the M. S. Fill Basket a very reliable potato. Very smooth and a good cooker. We can furnish nice stock while the supply lasts. Pk., 60c.; bu., \$2.00; bbl. sack, \$4.00.

Red Bliss. Very early, thin red skin, round, white flesh. Pk., 50c.; bu., \$1.50; bbl. sack, \$3.50.

White Bliss, or Pride of the South. Productive and extra early. White skin and flesh. Round. Pk., 50c.; bu., \$1.50; bbl. sack, \$3.50.

Irish Cobbler. This is an early potato of exceptional merit, which has given our trade entire satisfaction. The shape is round. Flesh is white and the eyes strong and deeply set. Considering its earliness, productiveness and excellent quality, we do not hesitate to recommend this as one of the best early varieties. Pk., 50c.; bu., \$1.50; bbl. sack, \$3.50.

Houlton Early Rose. The Houlton strain of the old favorite Early Rose has been the most popular on our market in recent years. It is preferred because it is a little earlier than the old Early Rose. A description of this variety is needless, as almost everyone knows of its excellence in quality and as a cropper. Pk., 50c.; bu., \$1.50; bbl. sack, \$3.25.

Bovee. This variety is of recent introduction, and its general good qualities have attracted much attention. More productive and earlier than the Early Rose. Pink, or flesh-color, smooth, uniform marketable size; dwarf stock vine permits close planting. Pk., 50c.; bu., \$1.50; bbl. sack, \$3.50.

Crown Jewel. A well-known and deservedly popular early variety. Very productive and an excellent cooker. Skin white and smooth, eyes shallow, but strong. Pk., 50c.; bu., \$1.50; bbl. sack, \$3.25.

Beauty of Hebron. It is a very rapid and vigorous grower, ripening fully as early as the Early Rose, which it resembles, but frequently exceeds in productiveness and excellence for table use. A very good keeper. Pk., 50c.; bu., \$1.50; bbl. sack, \$3.25.

Early Ohio. This is a very profitable variety. It is fit for use before fully ripe. It is shorter and rounder than the Early Rose, of good quality and very early. Pk., 50c.; bu., \$1.50; bbl. sack, \$3.25.

Burbank. We have very fine stock of this old reliable late potato. The Burbank is of excellent quality, yields well and is a splendid keeper. Pk., 50c.; bu., \$1.50; bbl. sack, \$3.25.

Improved Green Mountain. For a main crop later potato we consider this variety one of the best. It is very white, has an excellent flavor, and is very productive. Popular with those who have tried it. Pk., 50c.; bu., \$1.50; bbl. sack, \$3.25.

Early Norther, New Queen, Carmen No. 3, Prosperity. All choice northern stocks. Prices furnished on application.

Choice Seed Sweet Potatoes, Leading Varieties. Prices on application.

Sweet Potato Plants. Ready in May and June. 30c. 100; \$1.00 1,000.

PUMPKIN. (Ger. Kurbiss.)

One ounce of seed will plant fifteen hills; three to four pounds plant an acre.

Culture. Pumpkins are not so particular in regard to soil as melons or cucumbers, but in other respects are cultivated in a similar manner. Sow in the month of May. Make hills the same as you do for squashes, but do not make the hills too close. You will find that eight to ten feet apart each way is much better than closer planting. It is preferable to grow large quantities of Pumpkins as a special field crop, and not in the kitchen-garden, as they always mix so badly with squashes and other vines. The few you do need to grow in the home-garden you should put in your most remote corner. You will, of course, sow some amongst your corn, putting in a few seeds, say every third or fourth hill, after the last working; this will give you plenty for the table and your stock the coming Winter.

Cushaw, or Winter Crookneck. An old standard variety, which is very popular. It is also used for feeding stock. Long yellow crookneck, fine grained yellow flesh, very solid. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

White Cushaw. Same as above, only has white skin. Price same as above.

Japanese Pie. Flesh very thick, rich salmon color, fine grain, dry and sweet. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.

Tennessee Sweet Potato. Excellent for pies; pear-shaped, medium size, flesh and skin creamy white, fine grained, sweet, a first-rate keeper. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

Cheese. Shape flat like a cheese box; good keeper, popular. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 40c.



King of Mammoths, or Pot Iron.

King of the Mammoths, or Pot Iron. An immense variety, which has taken several prizes offered for the largest and best pumpkin grown. Single pumpkins have grown to weigh over 200 pounds. Flesh of a rich, golden yellow; a splendid keeper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

Ky. Field Pumpkin. Large, flat, fine for pies or stock. Pkg., 5c.; $\frac{1}{4}$ lb., 10c.; lb., 30c.

Common Yellow, or Connecticut Field. Very productive; for feeding stock. Pkt., 5c.; $\frac{1}{4}$ lb., 10c.; lb., 30c.

PEANUTS. (Ger. Erdnuesse.)

For medium light, loamy or sandy land. Peanuts are one of the most profitable crops that can be grown. They yield very largely—yields of 50 bushels per acre being reported on land too poor to plant in corn. In addition to the yield of nuts, they yield quite largely of nutritious forage, and will yield ordinarily about a ton of excellent dry forage per acre, in addition to the crop of nuts.

Culture. Peanuts should be shelled before planting. They should be planted in May or early June, in rows about $2\frac{1}{2}$ to 3 feet apart, dropping the nuts eight to ten inches apart, one in a hill. Cover one or two inches deep. Cultivate three or four times with a cultivator, so as to loosen the earth and keep down weeds, and at the last working, with a small turnplow throw the dirt to the nuts. Do not cultivate too late in the season, as late cultivation is likely to injure the formation of the nuts. It is also advisable to make an application of lime, scattering it on top of the row just after planting, and to use a top-dressing of land plaster just after the last working. Peanuts require plenty of lime to make first-class nuts, and the use of lime and plaster as above mentioned is recommended by the most successful growers.

In harvesting, plow the Peanuts and then stack against stakes stuck into the ground, the roots with the Peanuts on them to the center, and the leaves outside.

The Peanuts we offer are selected from the best and most productive crops grown in Virginia. Peanuts are one of the most profitable and satisfactory crops that are grown in the South, and we recommend to all our customers, even if they do not plant for market, to plant at least a small patch of Peanuts for home use.

M. & S. Improved Jumbo Peanuts (Shelled). $\frac{1}{4}$ lb., 10c.; $\frac{1}{2}$ lb., 15c.; lb., 25c. Special price on large quantity.



RADISH. (Ger. Radies.)

One ounce for seventy-five feet of drill; nine to ten pounds in drills to one acre.

Culture. To be tender and crisp, Radishes must be grown quickly, and this requires rich soil and plenty of moisture. Commencing with the first mild spell in the Spring, sow at intervals of ten days, in a light, rich, deeply-worked soil. May also be sown as a catch crop between rows of beets, lettuce, onions, etc. Radishes can be forced in hotbeds, but must have plenty of ventilation and moisture.

EXTRA EARLY VARIETIES.



White Tipped Scarlet Globe Radish.

White Tipped Scarlet Globe. A good forcing variety. Small size and very attractive, being a handsome, bright scarlet, with white tip. Very early and good quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 35c.; 5 lbs., at 30c.

Ruby King, Extra Early. Of brilliant red color, fine for forcing or open ground; roots are tender, juicy and mild. The best round red Radish that grows. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; $\frac{1}{2}$ lb., 30c.; 1 lb., 50c.

Scarlet Globe, Early. This variety can be used for forcing and is recommended for early outdoor planting. It is a small, round, red radish, of excellent flavor. Its rich, crisp, tender flesh makes it very popular. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 35c.

Crimson Giant. An extra early radish, good for forcing or outdoor growth. It is nearly round in shape, remarkably solid, crisp and juicy. It will grow double the size of ordinary red forcing radishes, and still remain hard and solid. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

White Turnip (Short Top). Of quick growth; roots round, pure white, tails very thin; leaves short, flavor excellent. Fine for forcing and open ground. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 35c.

French Breakfast, Early. Oblong shape, rapid grower, very mild and tender; of a beautiful scarlet color, tipped with white. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

Early Long Scarlet Short Top. The principal outdoor, quick-growing variety, also very good for forcing. Grown in light, rich soil, its average length is about eight inches; grows half out of the ground, straight, uniform in color, brittle, crisp, small tops, bright scarlet. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 35c.; 5 lbs., at 30c.

Iceberg. A beautiful long, slender radish, of recent introduction. Beautiful pearl-white color, firm and solid, slow to get woody. A good seller. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

Radish continued on next page.

Gentlemen:—It affords me great pleasure to inform you that from the Colliers' Success Seed Corn you shipped me I raised 11 barrels of corn to the acre on land which had no fertilizer or manure for two years. Yours truly,
F. SANDER, Woodwardville, Md

RADISH—Continued.

White Strasburg. Handsome, oblong, tapering shape; both skin and flesh pure white; flesh firm, brittle, tender and possessing the most desirable character of retaining its crispness, even when the roots are old and large. Excellent for Summer use, as it withstands severe heat and grows very quickly. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 35c.; 5 lbs., at 30c.

New Glass or Cincinnati Market. A long Scarlet Radish with a distinctive white tip. A suitable radish for deep mellow soil. A fine radish for the home garden as well as an attractive one for the market stall. Pkg., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 35c.

SUMMER VARIETIES.

Golden Globe. A favorite Summer radish. Golden-brown skin, perfect globe shape, mild and brittle, slow to seed. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

Large White Stuttgart. Very large, top-shaped, flesh and skin white, fine quality, firm and brittle, seldom pithy. Can be stored for Winter. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

Large White Summer Turnip. Round, smooth and very white; crisp and tender. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

WINTER VARIETIES.

White Chinese, or New Celestial. Large stump-rooted, white skin and flesh, mild in flavor, brittle and never woody. For late planting and a splendid keeper. Market gardeners will find this a good variety that sells readily. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Long Black Spanish. Large radish, with black skin and white firm flesh, grows six to eight inches long. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 15c.; lb., 40c.

Round Black Spanish. Like the above, except that it is round shape. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

Long White Spanish. Like the Long Black Spanish, only different in color. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

China Rose, or Scarlet China. Bright rose-colored, stump-rooted, of excellent quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 35c.

RHUBARB. (Ger. Rhabarber.)

Culture. Sow seed in a coldframe, in a fine, rich, sandy loam, about the first of March, in drills four inches apart. Keep the frames covered during nights and cold days, so that the soil will not freeze, and in six or eight weeks the plants will be large enough to set in the open ground. Transplant to a rich soil, and set in rows 12 inches apart and 12 inches in the row. The following Spring transplant to a permanent location, setting four or five feet apart each way. In good soil Rhubarb is ready to use the second year from seed. When roots are set out, plant them four or five feet apart each way, and keep the weeds down. If roots are used, a crop may be had after one season, which is much better than sowing seed where only a few plants for family use are needed. In the Fall the bed should have a thick dressing of coarse manure, to be spaded under in Spring.

Victoria. The leading variety. Pkt., 5c. and 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.

Roots. Extra large and two-year-old. Each, 15c.; doz., \$1.00; 100, \$7.50.

SPINACH. (Ger. Spinat.)

One ounce will sow fifty feet of drill; fifteen to twenty pounds to an acre.

Culture. Sow in early spring, in drills a foot apart, every two weeks for a succession, and, as it grows, thin out for use. For fall use, sow in August, and for winter crop in September. Cover that which is left out over winter with straw or leaves after the weather becomes quite cold. Keep clear of weeds. Sow the seeds of New Zealand in hills two feet apart each way, three or four seeds in a hill.

**Savoy Spinach**

Bloom sdale Savoy Leaved. The popular Fall spinach so largely grown for market. Grows upright, the leaves being crumpled, dark green and very thick. Oz., 5c.; $\frac{1}{4}$ lb., 10c.; lb., 20c.; 5 lbs., 60c.; 10 lbs., \$1.00; 100 lbs., \$8.00.

Victoria. A favorite for early Summer. It is one of the darkest in color, and with exception of the heart, the leaves are comparatively smooth. Oz., 5c.; $\frac{1}{4}$ lb., 10c.; lb., 25c.; 5 lb., 75c.; 100 lb., \$10.00.

Long Season. Leaves are decidedly dark green in color, very broad, thick and fleshy. It resists the Summer heat remarkably well, in fact better than all others, and remains a long time in condition for use before going to seed. Pkt., 5c.; $\frac{1}{4}$ lb., 10c.; lb., 25c.; 5 lb., \$1.00.

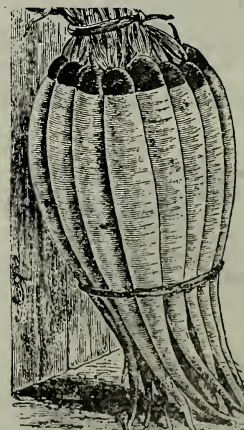
Old Time Long Standing. Succeeds well at almost all seasons, and, though rather slow growing, it is a very fine, large, dark green pointed leaved spinach. Oz., 5c.; $\frac{1}{4}$ lb., 10c.; lb., 25c.; 5 lb., 75c.

New Zealand. Distinct from the ordinary Spinach in appearance. The plants are more spreading in growth with small, very dark green leaves, which may be had throughout the hot summer months. Sow seed outdoors during May, dropping about three seeds in hills two feet apart each way. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

SALSIFY, or OYSTER PLANT.

(Ger. Hafer wurzel.)

One ounce to seventy feet of drill; about eight pounds to the acre.

**Mammoth Sandwich Island Salsify**

Culture. Sow as early as the ground can be worked in the Spring, in drills 12 inches apart, one inch deep, and thin out to six inches in the row. Keep them free from weeds. Cultivate the same as for Carrots and Parsnips. A part of the crop may be left in the ground till Spring, when it will be found fresh and plump. The roots are cut into pieces one-half inch long, boiled until tender, and then served with drawn butter, in which way it is a delicious vegetable. They are also mashed and baked like Parsnips, and have a sweet and agreeable flavor like that of the oyster.

Mammoth Sandwich Island. This is an improved type and the largest and most profitable salsify now in cultivation. It is white in color, and a satisfactory sort in every way; invaluable to market-gardeners and truckers. Pkt., 5c. and 10c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

SQUASH. (Ger. Gemuse Kurbiss.)

Bush sorts, one ounce for fifty hills; five to six pounds to acre; running varieties three to four pounds in hills for an acre.

Culture. Squashes should be planted in a warm, light, rich soil, after the weather has become settled and warm, about the middle of May or June. Plant in well-manured hills, in the same manner as Cucumbers and Melons—the Bush Varieties three to four feet apart each way, and the running kinds from six to eight feet. Eight to ten seeds should be sown in each hill, thinning out after they have attained their rough leaves and danger from bugs is over, leaving three to four of the strongest plants per hill.



Early Mammoth White Bush Squash.

Early Mammoth White Bush Squash. An excellent strain. Early, prolific and much larger than the old White Bush. Splendid for market and best for shippers. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 40c.

Summer Crookneck, Bush Variety. About one foot long, with crooked neck, bright yellow, warty, shell hard when ripe. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 50c.

Hubbard. An excellent keeper and of splendid quality. Vines of strong running growth. Large olive-shaped fruits with dark-green skin and very rich flesh. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

Golden Hubbard. Like the above, but of a beautiful orange-red color, except for a bit of olive-green on blossom end. Flesh deep orange, dry, fine grained and richly flavored. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

Boston Marrow. This is a large-fruited, hard-shell sort, highly esteemed for Winter use, having bright orange skin and deep orange flesh. Very fine and extensively used for pumpkin pies. Fine strong running growth. Very productive, oval shape. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 40c.

SORREL, or SOURGRASS. (Ger. Sauerampfer.)

Culture. Sow in Spring in drills 18 inches apart, in a rich soil, and keep the flower-stems cut off as they appear. It remains in the ground year after year, and only needs to be taken up and divided once in four or five years. To be cut and cooked precisely like Spinach; or it is excellent cooked with it, one-third Sorrel to two-thirds Spinach. It is also used for soups. Very nice to be eaten after it has become cool. Inasmuch as the hot sun tends to increase its acidity, a northern exposure is preferable.

Large French. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.25.

We Pay Postage on All Tomato Seed.

TOMATO. (Ger. Liebesapfel.)

One ounce for 1500 plants; quarter pound (to transplant) an acre.

Culture. This delicious vegetable is one of the most important of all garden products. The seed should be sown in a hotbed about the first week in March, or latter part of February, in drills five inches apart, and half an inch deep. When the plants are about two inches high they should be set out four or five inches apart in another hotbed, or removed into

small pots, allowing a single plant to a pot. About the first of May the plants may be set out in the open ground, in hills three or four feet apart, each way. (Sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or flower pot, and placing it in a sunny window of the room or kitchen.) Cultivate thoroughly as long as the vines will permit, but the last two or three workings of the soil should be very shallow (surface cultivation), or the crop may be badly injured, especially if the cultivator is run too near the young plants.

Extra Early Mascot. We pronounce this new Tomato the best extra early we have seen. Compared with Earliana it is five days earlier, a heavier cropper, fruits fully as large, but thicker through from stem to blossom end, more solid and of a deeper red color. It ripens close up to the stem. It is quite dwarf with little foliage, but very compact. It is the greatest yielder we have ever seen. We have counted fifteen marketable fruits on a single crown setting. We do not mean to say that half the patch will do this, but we can honestly say that we saw a great many plants with seven, eight and nine fruits on a crown setting. Being a small-vined sort, it requires high cultivation to bring out all its good qualities. Oz., 35c.; ¼ lb., \$1.00; lb., \$3.50.

Extra Early I. X. L. Combines extreme earliness, immense size and prolificness. Fruit red, ripening mostly all at one time. Pkt., 10c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50. Postpaid.

Sparks Earliana. Particularly desirable for shipping and for earliest market. The fruits are smooth, round, of red color, making desirable and salable fruits. Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 60c.; lb., 2.00. Postpaid.



Extra Early I. X. L. Tomato.

Chalk's Early Jewel. The finest of the very early tomatoes. About a week later than the Earliana, but far superior in quality. Fine red color, fine quality, hardy and productive. Excellent flavor. A most profitable variety for early and main crop. Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.00. Postpaid.

King of the Earliest. One of the largest Extra Red tomatoes which well deserves its name. Pkt., 5c. and 10c.; oz., 25c.; ¼ lb., 60c.; lb., \$2.00. Postpaid.

Bonnie Best. A tomato of fine quality. Early, round, smooth, red fruit of excellent flavor. Pkt., 5c. and 10c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50. Postpaid.

June Pink. For gardeners who have a market for an early purplish-pink fruit (which is produced in clusters). This is the variety to plant. True strain seed. Pkt., 5c. and 10c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50. Postpaid.

Beauty. Splendid for early market and shipping. Purplish tinge, excellent quality. A fine variety for home gardens. A good yielder. Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 50c.; lb., \$1.50. Postpaid.

New Queen. Large, solid, smooth, handsome, deep red color, a heavy cropper and popular with canners. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.50. Postpaid.

Maryland Pride. A fine tomato for main crop. Producing enormous quantities of fine, large, red tomatoes, which carry well, making it a good shipper. Pkt., 5c. and 10c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.00. Postpaid.

New Stone. This variety is one of the very best tomatoes grown. For productiveness, shipping and canning qualities it is excelled by none. Bright scarlet, fine flavor, very smooth and round. We recommend it as a thoroughly reliable main crop tomato. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.50. Postpaid.

Tomatoes continued on next page.

Mr. Frank Kaiss, Lansdowne, Md., writes under date of Oct. 4th, 1913: Your I. X. L. Tomato Seed produced the finest early Tomatoes I ever raised. They stayed large from the time we commenced to pick until the last.



Kelly's Red.

Kelly's Red. This variety has obtained immense popularity in the last few years. It was originated in Anne Arundel Co. Its solidity and carrying qualities are remarkable. Its color is a desirable red. Its shape perfectly smooth and thicker from stem to blossom than most varieties, making it very handsome and salable. Nobody finds any fault with this variety, but all speak in the highest terms of its beautiful color, its wonderful yielding qualities, its unequalled firmness, or some other of its good points. Pkt., 5c. and 10c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50. Postpaid.

Greater Baltimore. General crop tomato of sterling merits; large, smooth, beautiful red skin fruits, which are produced in great abundance until frost kills the vine. Pkt., 5c. and 10c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50. Postpaid.

B. B. (Brinton's Best). A very fine late crop tomato, which is similar to the New Stone. Keeps well after being picked. A vigorous grower and quite popular. Pkt., 5c. and 10c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.50. Postpaid.

Ponderosa. Remarkably large and of fine quality. Very solid. Pkt., 10c.; oz., 35c.; ¼ lb., \$1.25. Postpaid.

Dwarf Champion. Stems short, thick, stiff, almost self-supporting. Fruit large, round, red-tinged purple, borne in showy clusters. A good variety. Pkt., 5c. and 10c.; oz., 25c.; ¼ lb., 75c. Postpaid.

Dwarf Aristocrat. Like Dwarf Champion, but red-fruited. Pkt., 5c. and 10c.; oz., 25c.; ¼ lb., 75c. Postpaid.

Golden Queen. Bright yellow, large and solid. Pkt., 5c.; oz., 20c.; ¼ lb., 60c. Postpaid.

Yellow Pear and Yellow Plum. Two small-fruited kinds for preserves. Pkt., 5c. and 10c.; oz., 25c.; ¼ lb., 75c. Postpaid.

Red Pear. Pear-shaped red. Pkt., 5c. and 10c.; oz., 25c.; ¼ lb., 75c. Postpaid.

Peach. Very small, pink fruit, with slight peach bloom on skin. Pkt., 5c. and 10c.; oz., 25c.; ¼ lb., 75c. Postpaid.

Tomato Plants. Ready in April. Doz., 15c.; 100, 50c.

Special prices in large quantities.

TURNIP. (Ger. Ruebe.)

One ounce for 100 feet; two pounds to the acre.

Culture. For early use sow as soon as the ground opens in Spring, in drills from 12 to 15 inches apart; thin out to six or nine inches in the rows. For a succession, continue to sow every two weeks until June; for Fall and Winter crop, sow in July and August. The Ruta Bagas are grown for feeding stock, and are also excellent for the table. Take up the roots in November or before severe frosts; cut off the tops within an inch of the crown, store in a cool cellar or pit, or pile up in a conical form, out of doors, in dry ground; cover carefully with long straw and finish by earthing up, covering them with about 12 or 15 inches of earth, leaving a trench around the heap to carry off the water. Put away in this manner they will be found in good condition in the Spring.

Red, or Purple Top White Globe. A variety of decided merit, and the most popular in our markets. Globular-shape, very handsome and of superior quality. Is a heavy producer, early, and of rapid growth and an excellent keeper. Besides being a first-class table turnip, it is also very good for stock. Pkt., 5c.; ¼ lb., 10c.; lb., 30c.

Extra Early Purple Top Strap Leaved. The earliest in cultivation and a splendid turnip. Is very flat, medium size, smooth, with bright-purple top. Leaves are few and short and grow compactly, making very small top. Pkt., 5c.; ¼ lb., 10c.; lb., 35c.

White Egg. A quick growing, egg-shaped variety. Very smooth,

pure white, grows half out of ground. Has a small top and rough leaves. Flesh is of excellent quality. Pkt., 5c.; ¼ lb., 15c.; lb., 35c.

Yellow, or Amber Globe. Excellent for table use or stock. Fine quality, keeps well. Pkt., 5c.; ¼ lb., 10c.; lb., 30c.

Pomeranian White Globe. Free growing and rough-leaved. Pure white. Useful for table and stock. Large and productive. Pkt., 5c.; ¼ lb., 10c.; lb., 35c.

Purple Top Yellow Aberdeen. Medium size, round, pale-yellow, tender and sugary. Is hardy and productive and keeps well. Closely approaches Ruta Baga in hardness and firmness of texture. This is an old esteemed variety for stock. Pkt., 5c.; ¼ lb., 10c.; lb., 30c.

Improved Purple Top Ruta Baga, or Swede. The leading variety of Ruta Baga and is grown principally for stock, although it is very often used for table. Hardy, productive, flesh yellow, solid, sweet, fine grained and of good flavor. Ruta Bagas should be sown about one month earlier than other turnips. Pkt., 5c.; ¼ lb., 10c.; lb., 30c.

Cow Horn. A long, white, carrot-shaped turnip, which grows half out of the ground. Mostly used for feeding stock, but makes a fine table sort. Has lately been brought to prominence for green manuring, in connection with rape. Pkt., 5c.; ¼ lb., 10c.; lb., 30c.

Seven Top. Grown exclusively for its tops, and when properly prepared and cooked make a fine dish. Withstands our Winter without any protection. Pkt., 5c. and 10c.; ¼ lb., 15c.; lb., 40c.

TOBACCO SEED.

Connecticut and Pennsylvania Seed Leaf. Pkt., 5c. and 10c.; oz., 25c.

Havana Seed Leaf. Pkt., 5c. and 10c.; oz., 35c.

FIELD CORN. (Ger. Maiz.)

8 qts. to the acre.

Collier's Success. The ears are of immense size, 12 to 14 inches long, 8 to 10 inches in circumference, carrying 20 to 24 uniform rows of large yellow kernels, well developed over tip and butt. It is a luxuriant grower, about 12 to 15 feet high. Matures in 100 days. Makes a splendid ensilage corn, making two ears on many stalks. ¼ pk., 25c.; pk., 75c.; bu., \$2.50.

Yellow Leaming. We have a very choice strain of this early, drought-resisting variety. It makes a fair-size ear, with deep, well-shaped grains, and will mature in 90 days. ¼ pk., 25c.; pk., 60c.; bu., \$1.75.

Golden Beauty. Large, broad-grained yellow corn. Ears are well filled out. A heavy yielder. ¼ pk., 20c.; pk., 60c.; bu., \$1.75.

Maryland Yellow Dent. Large ear; moderate size stalk; withstands drought well. ¼ pk., 20c.; pk., 60c.; bu., \$2.00.



Red or Purple Top White Globe Turnip

FIELD CORN—Continued.

Hickory King. A very broad-grained white corn that does well on light ground. A good corn for the South. Very small cob. Generally bears two ears to the stalk and occasionally three. $\frac{1}{4}$ pk., 20c.; pk., 60c.; bu., \$1.75.

Boone County White. Recommended by the Agricultural Experimental Stations. A fine, large, deep-grained variety, originated by one of the best corn breeders. $\frac{1}{4}$ pk., 20c.; pk., 75c.; bu., \$2.00.

Collier's Excelsior. White corn, especially adapted for hominy corn on account of its flintiness. Great producer on poor soil. $\frac{1}{4}$ pk., 20c.; pk., 75c.; bu., \$2.00.

Red Cob Ensilage Corn. Pk., 75c.; bu., \$2.00.

Virginia Horse-Tooth Ensilage Corn. Pk., 75c.; bu., \$2.00.

GRASS SEEDS.

We desire to call special attention to the following list of Agricultural Grasses, which will, we think, be found very comprehensive, both as to varieties and descriptions. We are devoting a great deal of time to this most important subject, and this department has already become an extensive one with us. Having learned by experience that the so-called-imported grasses which are offered by those making a specialty of them in this country are very far from reliable, both as regards purity and quality, we have found it necessary to import all our seeds of this character direct. We have accordingly made arrangements for our stocks with one of the most prominent growers of Agricultural Grasses on the Continent, who by virtue of many years' experience in growing seeds of this peculiar character, has become the recognized headquarters for same. This will enable us to furnish our customers with the very best, and that which we know to be free from all adulteration.

Kentucky Blue Grass. (*Poa pratensis*.) One of the most widely distributed and valuable native grasses, combining more points of excellence than any other. It is a true perennial, lasting indefinitely and improving every year. Densely creeping root-stalks, spreading habit, smooth, even growth, fine texture and rich-green color render it one of the very best grasses for lawns. It forms a close turf, starts very early in the Spring, and lasts till frost. It succeeds with almost any soil, dry, rocky, sandy or gravelly, and stands the long-continued dry weather and hot

Kentucky Blue Grass.

suns. It takes, however, two or three years to become well established, and should, therefore, be sown only in connection with other grasses. If the soil is especially suitable it will eventually crowd these out, and make the finest possible sward. It is one of our most valuable pasture grasses, very productive and nutritious. Lb., 20c.; bu. of 14 lbs., \$2.25.

Rhode Island Bent. The distinctive feature of this species is its compact, creeping, rooting stems. It is of rapid growth and spreading habit, and the stoloniferous roots form a strong, enduring turf that is positively improved by constant trampling. Being of fine texture, it is most valuable for lawns and putting greens. Lb., 35c.; 10 lbs., \$3.00.

Crested Dog's Tail. (*Cynosurus cristatus*.) A stoloniferous perennial, forming a smooth, compact and lasting turf. It

thrives best on rich, moist land, but it can accommodate itself to almost any soil. Its roots penetrate deeply into the ground, which enables it to stand severe droughts. It makes a good bottom grass and is therefore valuable in mixtures for lawns and putting greens. It thrives well in the shade. The color is the same as that of the Kentucky Blue Grass, and it is, therefore, excellent in mixture with that sort. Lb., 30c.; 10 lbs., \$2.50.

Fancy Red Top; Herd's Grass. (*Agrostis vulgaris*.) A very hardy, native perennial grass, succeeding best on moist land. It accommodates itself to a variety of soils, however, even to quite dry situations, and stands our hot climate admirably. It is, perhaps, the most permanent grass we have, and it enters largely into the composition of our best natural pastures. It remains green for the greater part of the year, and its long, trailing stems form a very close, matting turf that is not affected by trampling. Lb., 35c.; 10 lbs., \$3.00.

Meadow Fescue. (*Festuca pratensis*.) This makes a most excellent hay and pasture grass, and is particularly valuable for Fall and Winter pasturage, as it remains green throughout the Winter. It is also splendid Spring and Summer grass, and usually makes more and thicker leafage than any other grass we have ever grown. It is very popular in Southwest Virginia, East Tennessee and the mountainous district of North Carolina, where it is very highly appreciated as a large-yielding, nutritious pasture and hay grass. Lb., 25c.; 10 lbs., \$2.00.

Orchard Grass; Cocksfoot. (*Dactylis glomerata*.) One of the grasses most employed in permanent meadows, either for pasture or for mowing. It is very hardy and succeeds well anywhere in the United States. It is very productive and makes excellent hay. If cut before it flowers it is less hard and the pith of the stem is soft and sweet. It blossoms about the same time as Red Clover, and is therefore desirable in mixture with that plant. Stock of all kinds are very fond of it, either dry or green, and it endures constant cropping better than any other grass. After being mown, it grows up quickly and yields a heavier aftermath than any other variety. It can stand considerable shade, and is recommended as a pasture grass for woodlands. Its tendency to grow in tussocks is diminished if it is sown with other grasses, and is also by heavy rolling in the spring. But it is quite unsuitable for lawns. Lb., 20c.; bu. of 14 lbs., \$2.25.

Pacey's Perennial Rye Grass. (*Lolium perenne*.) Although called a perennial, it seldom lasts more than three or four years. It is the most valuable grass of Great Britain, both for pasture and for meadows, occupying there the same relative position of importance that Timothy holds here. The cool, moist climate of England seems to suit it best, yet it succeeds very well in our middle and eastern states, and adapts itself to a great diversity of soils. The seed is large and heavy, and produces a strong, verdant growth in four or five weeks after sowing. It cures into hay having a sweet flavor, and much relished by cattle and horses. Its nutritive value, especially in mixture with Red Clover, is very great. It is excellent in mixtures for quick effects in lawns or golf-links. Lb., 10c.; 10 lbs., 75c.

Timothy. (*Phleum pratense*.) A native of Europe, but long ago naturalized in America, where it ranks as by far the most important of hay grasses. On moist, loamy or clayey soil it produces a larger hay crop than any other grass. It is not so well suited for light sandy soils. Though preferring a moist, temperate climate, it withstands drought and extreme heat and cold. Its hay is very nourishing and can be preserved for a long time. It should be cut when flowering, if left later the hay becomes hard and coarse. It is often sown along with Red Clover, and the nutritive value of the hay is greatly increased by this mixture. Height, two to three feet. If sown alone, at least one-half bushel to the acre should be used. The seed weighs 45 pounds to the bushel. Several grades are always on



Timothy

GRASS SEEDS—Continued.

the market, differing in purity and vitality. It is always most economical to buy the highest grade known as "Fancy." 10c. per lb.

Wood Meadow Grass. (*Poa nemoralis*.) The chief characteristic of this grass is its special fitness for shaded positions in lawns and woodland parks, where other grasses will not grow. It is very permanent and hardy, resisting extremes of heat and cold, and is one of the first grasses to show a rich green growth in the Spring. The creeping roots are formed under ground, and make a good turf and should be included in all putting-green mixtures. It is excellent for pasture. Lb., 40c.; 10 lbs., \$3.50.

M. & S. Special Grass Mixture for Hay and Pasture. M. & S. Pasture Mixture is prepared to meet the average need. It is made up of the grasses best calculated to afford an abundant and nutritious food supply for stock. Its formula is based upon successful experience. For all ordinary permanent pasturage it will be found entirely satisfactory. Bushel of 14 lbs., \$2.75.

CLOVER SEEDS.

White Clover. (*Trifolium repens*.) Some White Clover is usually included in lawn-grass mixtures. It makes an excellent turf that stands constant trampling. It is of dwarf habit, spreads rapidly and is very hardy. It is valuable in permanent pastures, being sweet and nutritious. Sow in Spring. In mixtures, one or two pounds; if alone, eight or ten pounds to the acre. $\frac{1}{4}$ lb., 15c.; $\frac{1}{2}$ lb., 25c.; lb., 40c.

Alfalfa, or Lucerne. (*Medicago sativa*.) Requires deep, rich, well-drained soil. Roots very deeply, the tap-root descending often to a depth of 10 or 15 feet in loose soil. It is, consequently, capable of resisting great droughts. It should be sown alone (about same time as oats are sown in this section) in thoroughly prepared, deeply plowed soil, at the rate of 20 to 25 pounds to the acre. It is also successfully sown as late as August and up to the middle of September. The crop should be cut when the plant is coming into bloom. In suitable soil it is perennial, and several crops may be cut every year. Height, one to three feet. Lb., 16c.

Alsike, or Hybrid Clover. (*Trifolium hybridum*.) A perennial, one to three feet high, succeeding best in cold and stiff soils, and in marshy lands which are too wet for other species. It grows well in the far North and in high altitudes, and can withstand severe cold. A good honey plant for bees. Fifteen pounds to the acre. Lb., 24c.

Red Clover. (*Trifolium pratense*.) One of the most valuable farm crops of the eastern states for pasture, hay, or for turning under for green manure. It requires a deep, rich soil, and yields two hay crops in the season. In this section, sow in the Spring at the rate of 15 pounds to the acre. Lb., 20c.

Mammoth Red, or Sapling Clover. Grows larger and lasts longer than the common red clover; valuable for plowing under. Ten pounds to the acre. Lb., 22c.

Crimson, or German Clover. (*Trifolium incarnatum*.) Erect annual, one to two feet high, with bright-scarlet flowers. A native of Southern Europe, it is largely grown in the South for improving the soil by turning under. It will not stand severe frost, and cannot be depended upon to stand the winter north of New Jersey. It is a valuable crop for pasturage or green manure. For hay it should be cut when in full bloom. Sow 20 pounds to the acre. Lb., 10c.



Red Clover.

FORAGE AND MISCELLANEOUS SEEDS.



German or Golden Millet.

will produce a larger return than almost any other crop. Lb., 5c.



A Head of Japanese Buckwheat.

while the straw is very abundant. Our seed is grown by a specialist in New York State, who procures his seed stock every few years from Japan. Any of the clover crops can be sown with buckwheat, these to mature the following season. Buckwheat frequently yields as much as 80 bushels to the acre. 15c. per qt.; peck, 50c.

Barley, Oats, Rye, Wheat. Market prices.

Broom Corn. (*Sorghum vulgare*.) Succeeds in a good, deep soil, fresh but not damp; very sensitive to cold. Long-brush Evergreen. Lb., 10c.

Soja Bean. (*Glycine hispida*.) Thrives well in hot and dry weather. Valuable for the South. Does not make good hay, but is good as ensilage or green fodder. Market prices.

Cotton. (*Gossypium*.)—**Upland Big Boll.** Very prolific. Lb., 20c.

Cow Peas. (*Vigna Catjang*.) Specially adapted to warm countries; extensively grown in our Southern states; also valuable in this latitude as a fodder plant; their chief value, however, is as a green crop to plow under. The seed should not be sown till the ground has become well warm. **Black, Black-Eyed, Clay, New Era, Whippoorwill.** Market prices.

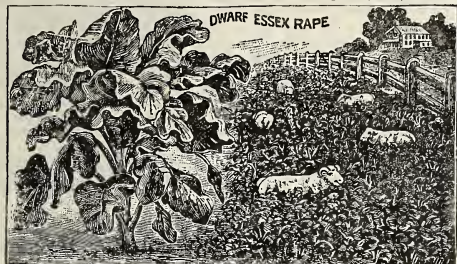
German, or Golden Millet. (*Panicum Miliaceum* var.) An improved variety, medium early, growing three to five feet high. Heads are closely condensed, though the spikes are very numerous. During the past few years the fact has been established beyond doubt that seed of the German, or Golden Millet grown in Southern latitudes will produce a much larger yield of hay than from seed grown in Northern or Western sections of the country, and for that reason is far better for farmers to sow. Lb., 5c.

Hungarian Grass, or Millet. (*Panicum Germanicum*.) A species of millet growing less rank with smaller stalks, and often yielding two or three tons of hay per acre. It is very popular and valuable. Like the common millet, it is an annual, and requires to be sown every season, but

Japanese Buckwheat. In the locality of Baltimore this is sown anywhere from June 1st to July 15th; one bushel of 48 lbs. broadcasted to the acre. If one has the ground prepared and the opportunity, it can be sown as early as May 1st. This variety produces brown seed, is very prolific, maturing fully a week earlier than "Silver Hull" variety. It makes a very fine quality of flour, but is chiefly used for poultry food. For planting adjacent to game preserves it provides excellent food for the birds. The flower makes ideal bee food;

MISCELLANEOUS SEEDS—Continued.

Peas—Canadian Field. Valuable for Northern climates, for cattle-feeding, especially for milch cows. It also makes fine ensilage. It is sown broadcast in the Spring and harrowed in. If sown with oats, about 1½ bushels to the acre; in drills, two to three bushels to the acre. Present price, bu., \$2.25.



DWARF ESSEX RAPE

Rape—Dwarf Essex English. (*Brassica napus*.) Largely grown in the Northern United States and in Canada. It is excellent for sheep and hog pasture, and chicken yards, also for soiling. It may be sown in May, and will be ready for pasturing in July and August. Or it may be sown in June or July, and yet furnish a large amount of pasture or fodder. In drills, sow five pounds to the acre; sown broadcast, ten pounds to the acre. Lb., 10c.; per 100, \$8.00.

Kafir Corn. Non-saccharine. The plant is low, stalky, perfectly erect. The whole stalk, as well as the blades, cures into excellent fodder, and in all stages it is available for green feed. Lb., 10c.

SORGHUM, OR SUGAR CANE.

Early Amber. Ripens wherever Indian Corn matures. Grows 10 to 13 feet high. Lb., 10c.

Early Orange. Ripens about 10 days after Early Amber, and is said to produce a larger crop. Lb., 10c.

Sunflower—Large Russian. Lb., 10c.

Vetches—

Spring

Tares. (*Vicia sativa*.)

Sown broadcast at rate of 60 to 100 pounds to the acre, like wheat or barley, and sometimes mixed with oats for soiling.

Amber Sorghum. Used in France and Canada as a substitute for peas. Price variable. Present quotation, lb., 10c.

Sand, Winter, or Hairy Vetch. (*Vicia villosa*.) Thrives on poor, arid, sandy soils. It may be sown either in fall or in Spring, mixed with rye, for a support. Grows three to four feet high, and can be cut as soon as the bloom appears, and again for the seed. Perfectly hardy. Sow 30 to 50 pounds to the acre. Price variable. Lb., 15c.



Farmgerm (Alfalfa in Maryland.)

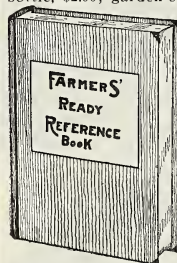
The greatest forage crop known is now grown with great success in all sections. This wonderful crop can be grown wherever the soil has good drainage—seed bed well prepared and seed inoculated. The Agricultural Experiment Stations have demonstrated that the reason for failure to grow Alfalfa is because of the absence of the proper bacteria in the soil, and by the use of Farmgerm inoculation upon the seeds this condition has been overcome, and Alfalfa is a decided success. Farmgerm will provide all inoculations for Alfalfa or any other legumes. It comes in bottles ready for use. You can inoculate the seed for ten acres in ten minutes.

Clovers, Soy Beans, Cow Peas, Beans are legumes, and are greatly benefited by the proper inoculation. This inoculation not only increases the crop in weight, but also in richness, and deposits in the ground upon the legume roots great quantities of nitrates.

Garden Peas, Beans, Sweet Peas yield earlier and longer when inoculated. Order Farmgerm for all these seeds. Prices: Five-acre size bottle, \$9.00; one-acre size bottle, \$2.00; garden-size bottle, 50c.



Nitrate Sacks, or Nodules, on Cow Pea Roots.



Free Notice Free

With every Garden or Flower Seed Order amounting to \$5.00 or over we will send one copy of the 136-page Farmers' Ready Reference Book. The most complete Farm Book on the market. Every department of Farm Life covered in detail by Experts. Classified and indexed for convenient use.

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ALFALFA	DUCKS	OATS
APPLES	EGGS	ONIONS
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BLACKBERRIES	GEESE	PIGEONS
BROOM CORN	GOATS	PLUMS
BUCKWHEAT	GOOSEBERRIES	POTATOES
BUTTER	GRAPES	PUMPKINS
CATTLE	GRAPE FRUIT	QUINCES
CHEESE	HAY	RASPBERRIES
CHERRIES	HEMP	RICE
CHICKENS	HOGS	RYE
CLOVER	HONEY	SHEEP
CORN	HORSES	SQUASH
COTTON	KAFIR CORN	STRAWBERRIES
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DRY FARMING	MULES	WHEAT
	NUTS	

Regular price 50c. a copy, postpaid.

Mr. Chas. Schramm, 1117 Ward Street, tells us that the Elephant Ear and Canna Roots which he purchased from us last spring produced the finest and handsomest plants that he ever had.

CHOICE FLOWER SEEDS. (Order by number)

All Flower Seeds are 5c. a package, unless otherwise marked.

Culture. Directions are printed on the back of nearly all of our flower-seed packets. We will say that care should be exercised not to cover flower seeds too much. In nearly all cases it should be sprinkled on top of soil, and slightly pressed.

Annuals (a) are those flowers that bloom and ripen their seed the first year, then die. Among these will be found Asters, Balsams, Mignonette, Sweet Peas, Nasturtiums, Morning Glories and many other very brilliant and fragrant flowers. In fact, if you want flowers early in the season, and all the time until frost, a good selection of Annuals will not disappoint you.

Perennials (p) are those flowers that endure our Winters with little or no protection, and live and bloom several years in succession. A large majority of the Perennials will bloom the first year if started early in the Spring. Hollyhocks, Larkspurs, Foxglove, Poppies, etc., are in this popular class.

All Annuals marked (a). All Perennials marked (p).



Antirrhinum.

glass during the winter. To have flowers early sow indoors from February till May, but even if sown outdoors in May it will flower profusely in September. If properly protected during the winter they will revive and throw up gigantic spikes of flowers during the summer. White, Scarlet, Pink, Striped, Yellow and all colors mixed.



Paeonia Flowering Aster.

1. Age raturum.

(a). For beds or borders. Dwarf, mixed.

2. Alyssum. (a) Carpet of Snow. Dwarf, pure white.

3. Amaranthus. (a). **Caudatus.** (Love Lies Bleeding.)

4. Amaranthus. (a). **Tricolor Splenders.** (Joseph's Coat.)

5. Antirrhinum. Snapdragon. (p). A splendid plant for beds or borders and one of our choicest cut flowers; extensively forced under

Asters. To do well, require a well-pulverized soil, always kept open by continuous cultivation. If soil is heavy and mostly composed of clay, it is well to mix sand with it.

6. Aster Paeonie. Flowering, choicest mixed. 10c. pkg.; 3 for 25c.

7. Aster. Ostrich Plumed. Very beautiful; mixed. 10c. pkg.; 3 for 25c. White, Pink, Dark Red, Light Blue, Dark Blue and all colors mixed. 10c. pkg.; 3 pkgs., 25c.

8. Asters, Semple's Branching. (a). In five distinct colors. 10c. each.

9. Aster. Queen of the Market. Very early, choice mixed.

10. Asters. (a). German, mixed, double, choice colors.

11. Balsam. (a). (Lady Slipper). Camellia flowered, very fine.

12. Balloon Vine. (a). (Love-in-a-Puff). Annual climber.

13. Balsam Apple. (a). A climber with very useful fruit.

14. Campanula Media. (Canterbury Bell). These are strictly biennials and require the following cultural directions: Sow from June 1st till September 1st; when strong enough transplant to a distance of 6 inches apart; after frost has set in protect with leaves and straw. They flower the following June, after which they die. Their colors are so pure that gorgeous effects can be achieved with them. Single Blue, Pink, White or Mixed.

15. Calendula. (a). (Pot Marigold). Free-flowing, mixed.

16. Canna. (a). One of the finest bedding plants.

17. Calliopsis, or Coreopsis. (a). (Golden Wave.) Showy, free-flowering, hardy annuals of easy cultivation. Choicest, mixed.

18. Canary Bird Flower. (a). One of the most charming annual climbers, bearing an abundance of bright yellow, fringed flowers.

19. Candytuft. (a). For beds and massing, mixed.

20. Carnation. (p). Marguerite, very best variety for amateurs. Popular with all growers, mixed. 10c. 3 for 25c.

21. Celosia. (a). (Coxcomb). Free-blooming. Grand for borders and very good for pots, mixed.

22. Centaurea Cyanus. (a). (Batchelor Button, or Corn Flower. Emperor William, deep blue. 10c. pkgs. White, Pink and all colors mixed, 5c. pkg.

23. Centaurea. (a). (Dusty Miller). For borders. Beautiful silver leaves. Grown for their silvery foliage as edging plants.

24. Cerastium. (a). (Snow in Summer). **Tomentosum.** Dwarf, white-leaved edging plant; flowers white; 4 inches high.

25. Chrysanthemum. (a). Choicest mixed.

26. Cineraria. (p). For hothouse and window garden. Prize mixture, 35c. and 60c.

27. Clarkia. (a). One of the prettiest and showiest of hardy annuals. The plants bloom so freely and have flowers of such various bright colors that a bed of them in full bloom is a beautiful sight. They are useful, too, for hanging baskets, for vases and as edging plants. Sow outdoors in early spring and grow in partial shade. They bloom through mid-summer to late autumn. Average height, 1½ feet.

28. Cobaea Scandens. (a). Cups and Saucers Vine. Well-known climber of rapid growth, producing large bell-shaped blossoms; in sowing, place the seeds edgewise, and merely cover with light soil.

29. Convolvulus. (a). Japanese Morning Glory. Climber. Oz. 10c.

29½. Cosmos. (a). An Autumn-flowering plant. A charming, profuse bloomer. Giant Red, Pink, White and all colors mixed 5c. pkg.; 50c. oz.

30. Coleus. (a). Large Leaved Hybrids. Popular bedding plants with beautifully colored foliage; easily grown from seed if kept in warm temperature. Pkg. 10c.; 3 for 25c.



Semple's Branching Asters.

CHOICE FLOWER SEEDS—Continued.

31. **Cypress Vine.** (a). Popular vine, fern-like foliage and masses of beautiful small star-shaped flowers. White and scarlet, mixed.
32. **Dahlia.** (a). Bloom first year from seed if sown early. Double, mixed.
33. **Dahlia.** (a). Single varieties from seed; are very popular mixed.
34. **Daisy, English Double.** (Bellis Perennis). These are strictly biennials, and seed should be sown from June 1st till September, transplanted in the fall, and they will flower the following spring. If sown in the spring they will flower in the autumn; 4 inches. 10c. pkt.; 3 for 25c.
35. **Dianthus.** (p). (China Pink). One of the most popular flowers in cultivation, blooms profusely. Great variety of colors. Extra choice.
36. **Delphinium.** (Hardy Perennial Larkspur.) Highly prepossessing plants of stately appearance; of easiest culture, they are readily the most popular of all hardy plants. Their main season of bloom is in June, but if the flower-spike is cut back promptly it will branch and flower all through fall. **Formosum.** Blue, white centre. **Chinense Album.** White. **Chinense Azureum.** Blue. 10c. pkg.; 3 for 25c.
- 36½. **Dimorphotheca.** (a). (Golden Orange Daisy). One of the showiest garden plants of recent introduction: fairly compact, bushy plants are literally covered with brilliant orange-gold daisy-like blooms on fairly long stems during the entire season; excellent for cutting. Pkt., 10c.; 3 for 25c.
37. **Digitalis.** (Foxglove). (p). Handsome ornamental hardy plants of stately growth, succeeding almost anywhere. Produces long spikes of beautiful, tubular-shaped flowers; 4 to 5 feet.
38. **Dolichos.** (a). (Hyacinth Bean or Texas Climber). showy climber, making rapid growth. White and purple. 10c. oz.
39. **Helichrysum.** (a). (Straw Flower). Popular, everlasting.
40. **Eschscholtzia.** (a). (California Poppy). Choice mixture.
41. **Gourds.** (a). Luffa, Nest Egg, Hercules Cup, Pear Shape, Mock Orange, Sugar Trough, and a general mixture; rapid climbers.
42. **Gaillardia.** (a). (Blanket Flower). Very fine mixture.
43. **Helianthus.** (a). (Sunflower). Oscar Wilde, single, yellow.
44. **Helianthus.** (a). (Sunflower). Dwarf, double, three feet high.
45. **Heliotrope.** (a). (Giant Hybrids, Lemoines). Produces extra large flower spikes in abundance, double size of all sorts. 10c.
46. **Heliopsis.** (Orange Sunflower). **Pitcheriana.** A handsome hardy perennial; producing an abundance of deep orange yellow flowers the entire summer; excellent for cutting; 3 to 4 feet.
47. **Hollyhock.** (p). One of the most popular and desirable of hardy perennial plants; excellent for planting among shrubbery or forming a background for other flowers; 6 to 7 feet. **Chater's Improved Double Hollyhock** in separate colors, Pink, White, Salmon, Maroon, Yellow and all colors mixed. 10c. pkg.; 3 pkgs. 25c. Single Mixed, 5c. pkg.
48. **Humulus.** (Japanese Hop). A rapid growing annual climber with luxuriant foliage.
- 48½. **Ice Plant.** (a) Beautiful dwarf edging plants; flower profusely in dry and sunny situations. Fine for pots. Covered with watery vesicles resembling pieces of ice.
49. **Kochia.** (Summer Cypress or Mexican Fire Bush). (a). An easily grown annual, which grows into a cypress-like hedge, with feathery green foliage; at the approach of autumn the foliage turns to a deep red color; 2 to 3 feet. 10c. pkg.; 3 pkgs. 25c.
50. **Kudzu Vine.** (p). The Kudzu vine comes from Japan, the land so productive of curious and ornamental flowers. It is a beautiful climber, remarkable for its great vigor of growth and its handsome flowers. The blossoms are large and in panicles somewhat like the Wistaria, but larger in size and with better clusters. The color is of a pleasing shade of purple. The foliage is luxuriant. The vine is ex-
- 50½. **Lantana.** (a). Most desirable bedding plant; seeds are best germinated in a greenhouse from January till March;

flowers resemble Verbenas; plants grow erect and remain in bloom all summer.

tremely rapid and dense in growth, perfectly hardy, increasing in size and beauty year after year; fine for arbors, verandas, etc. Pkt., 10c.

51. **Larkspur.** (a). Double dwarf Rocket, finest mixture. 51½. **Lathyrus Latifolius.** (Everlasting or Perennial Sweet Pea). Free flowering, resembling Sweet Peas in growth, foliage and flowers, which are excellent for cutting.

52. **Lobelia.** (a). Dwarf varieties for bedding. All colors.

53. **Marigold.** (a). Dwarf French and tall; fine colors, mixed, double. 5c. each.

53½. **Lupins.** (a). Very desirable garden plants, showy and excellent for cutting. Graceful spikes, 2 feet long, in various shades of white, blue, pink and yellow mixed.

54. **Marvel of Peru.** (a). (Four-o'clock). Choice mixed.

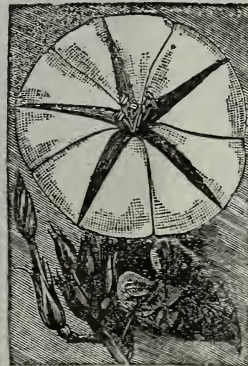
55. **Mignonette.** (a). Valuable for cutting on account of its fragrance. Sow in succession during the whole summer; may also be forced in greenhouses during winter. **Golden Machett and Parson's White.** 5c. pkt. each.

56. **Moonflower.** (a). (Ipomoea Noctiflora). Climber. Heavenly Blue. Large, sky-blue flowers. **Noctiflora.** (Moon Flower). At night and during dull days the plants are covered with an abundance of large, pure white fragrant flowers. 5c. pkt. each.

57. **Nicotiana.** (a). Splendid, pure white, Bouvardia-like flowers on long terminal tubes. It is so fragrant that a small bed will perfume the surrounding atmosphere.

M. & S. Giant Dwarf Nasturtiums.

Moon Flower.



A great advance has been made of late years in the range of new colors which has been developed in this popular flower, which is one of our most beautiful annuals; easily grown and producing a great profusion of brilliant colored flowers from within a few weeks after they are



sown until they are killed by frost; they will flower more profusely in thin soil. Our Nasturtiums are noted for their size, variety and brilliancy of their colors.

58. **M. & S. Fancy Giant Mixed Dwarf.** This is one of the finest mixtures ever offered; composed of the largest and finest varieties. Pkg., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 25c.; lb., 75c.

59. **M. & S. Choicest Mixed Tall Nasturtiums.** (a). Tall and lobes, mixed colors. Pkt., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 25c.; lb., 75c.

M. & S. Dwarf Named Nasturtiums.

Empress of India. A splendid variety, with dark leaves and crimson flowers.

Pearl. Creamy white.

Ruby King. Ruby red; dark leaved; fine.

Prince Henry. Cream, spotted and tipped red.

Bronze. Burnished bronze color.

Golden King. Dark foliage. Golden flowers.

Price of all the above varieties:

Pkg., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 25c.; lb., 75c.

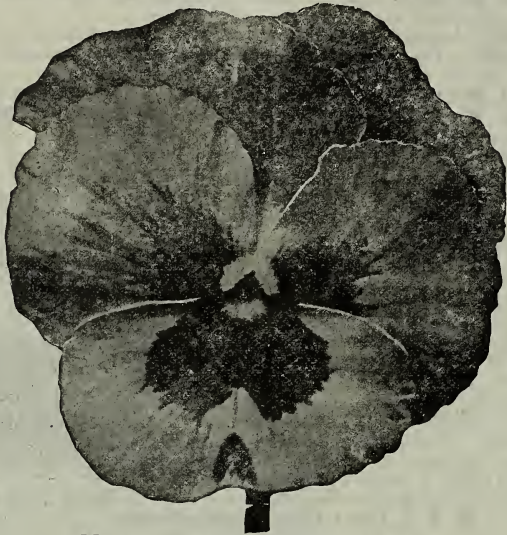
On Dec. 6th, 1913, Mr. J. W. Zimmerman, of Montebello Park, quotes as follows: "I planted your Roland Park Lawn Grass Seed to make a new lawn. It has been cut three times, and could be cut again if the season was not so far advanced."

62. **Passion Flower.** (a): Southern Beauty. Climber, mixed.

66. **Portulaca.** (a). (Mexican Rose). Choice single and double, mixed colors.

67. **Ricinus.** (a). (Castor Oil Bean). Bronze Leaf, Green

60. **Oenothera.** (a). (Evening Primrose). Beautiful, low-growing plant, producing large, silvery white, rose and yellow flowers. They thrive best in a sunny position, but succeed in almost any situation or soil. Annual varieties, all colors mixed. Leaf and mixed varieties. Pkt., 5c.; oz., 20c.



M. & S. Giant Exhibition Pansy.

61. **Pansies.** Strictly considered, this is a biennial, but the fact that it flowers the first season from seed recommends it for an annual. There are actually three seasons in which pansies can be planted. If started in the house from February till April pansies will begin to bloom from July on; sown outdoors in May beautiful flowers are produced in the fall; sown in frames during July and August and transplanted later gives us the main crop of flowers the following spring. Pansies thrive best in moist, semi-shady situations.

M. & S. Giant Exhibition. A blending of our own containing only the very choicest the specialists in Europe have to offer; it can be relied upon to produce flowers of immense size, very heavy texture and of the most brilliant colors. 10c. pkt.; 3 for 25c.; \$2.50 per oz.



Triumph of the Giant. Immense flowers of great brilliancy and richness of coloring, including many new and rare shades. Pkt., 25c.; 5 pkts. \$1.00.

Very Fine Mixed. Pkt., 5c.; oz., 75c.

63. PETUNIA (a).

The Petunia is without a peer among annuals for effective summer bedding or indoor culture. It is of easy culture, early to blossom and continues throughout the summer until the first killing frost. No other flower produces a greater diversity of color, retaining its freshness for so long a period.

Culture. Sow out of doors, when danger from frost is over, in the bed or border where they are to flower. The soil should be well pulverized and the seed covered to a depth of about four times their size. Press down firmly with a board, and thin out so that the plants will not become crowded. For early flowering they should be sown indoors in a shallow box, or in a hotbed, and transferred to the open ground when the weather becomes suitable. Single White, Purple and all colors mixed.

Star. (Howard's). A beautiful variety; produces a profusion of crimson-maroon flowers, each having a distinct five-pointed white star.

64. PHLOX DRUMMONDI. (a).

One of our finest hardy annuals, on account of its long season in bloom. Easily grown from seed; makes a brilliant display as a summer bedding plant. In all bright colors, or all colors mixed, 5c. pkt.

64½. **Hardy Phlox.** (p). For a gorgeous show these are the most satisfactory of all perennials plants 2 feet high, in all bright colors; seeds sown late in fall will germinate in the spring; mixed and White, Pink, Lavender and Scarlet. 10c. pkt.; 3 for 25c.

65. POPPIES.

A great advance has been made in recent years in the development of the Poppy which has brought it into deserved popularity, and it may be safely said that no other flower produces a more brilliant display of color during the blooming period. Annual Poppies should be sown as early in the spring as possible where they are to remain, as they do not stand transplanting. If constant blossom is desired, successive sowings should be made every two weeks.

Oriente. Enormous flowers of deep, flashing scarlet; entirely hardy anywhere; 3 ft.

Oriente. Mixed Hybrids. Finest shades.

Paedony Flowered Mixed. Immense double flowers resembling a Paedony; 2 feet.

M. & S. Shirley. A bed of these poppies produces a gorgeous effect in the garden; large flowers with brilliant colors, mixed or pink, white, red, yellow. 5c. pkt. each.

68. SALVIA (Scarlet Sage).

This popular bedding plant is impossible to be replaced. There is nothing more effective in the fall or mid-summer than these bright scarlet flowers. Seeds should be started either in the house from February till April or in hotbeds.

Bonfire (Clara Bedman). Compact bushy plants two feet high, producing innumerable erect spikes of the most brilliant scarlet flowers. ¼ oz., 50c.; pkt., 5c.



Salvia.

69. **Salpiglossis** (Painted Tongue). Very beautiful hardy annual plants, flowering freely from July to early autumn. Rich soil should be provided, with plenty of space for plants to develop.

Culture. Sow out of doors, when danger from frost is over, in the bed or border where they are to flower. The soil should be well pulverized and the seed covered to a depth of about four times their size. Press down firmly with a board, and thin out so that the plants will not become crowded. For early flowering they should be sown indoors in a shallow box,

Mr. J. O. Stafford, Towson, Md., writes under date of July 10th, 1913: "The M. & S. Gilt Edge Sweet Pea Mixture Seed which you sent me produced the most beautiful crop of Sweet Peas that I and a great many of my neighbors had ever seen."

or in a hot-bed, and transferred to the open ground when the weather becomes suitable.

Large Flowering Mixed. The exquisite beauty of the flowers, with their rare combination of color, is a revelation to all who may see them for the first time. A splendid variety of color, flowers of large size.

70. *Scabiosa*. (a). (Mourning Bride). Very handsome.

71. *Scarlet Runner Bean*. (a). Ornamental climber.

72. *Stocks*. (a). Mixed, large flowering.

73. SWEET WILLIAM (*Dianthus Barbatus*).

This is one of the finest of our hardy garden plants; of easy culture; thriving in any good garden soil and lasting for years. The plants grow about 1½ feet high, and form fine clumps; produces fine effects in beds and shrubbery. Single Crimson, Single Red with white eye, Single Velvety Maroon, Single White and choicest Double Mixed, Single Mixed, all colors. Each, 5c. pkt.

74. *Sweet Sultan* (*Centaurea Moschatus*). (a). Hardy annual; flowers resemble "Bachelor's Buttons," fragrant flower on long stems.



Sweet William

75. *Thunbergia*. (a). Black-eyed Susan). Beautiful. Very ornamental climber.

76. VERBENA.

An excellent annual for beds and massing, and for a gorgeous display during the summer months cannot be excelled, commencing to flower in July and continuing until frost. Our *Mammoth Fancy Strain* cannot be surpassed for profusion of bloom and beautiful colors and shades. M. & S. Fancy White, Scarlet, Dark Blue, Striped, Light Blue, and all colors mixed. 5c. pkg.



Verbena

77. *Vinca* (Madagascar Periwinkle). (p). Dwarf Bedding plants with deep green glossy foliage and bright single blossoms of striking beauty; sow early.

78. *Violet*. (a). Deservedly much in demand, because of their profusion of bloom and delicate, sweet odor. Pkt., 10c.

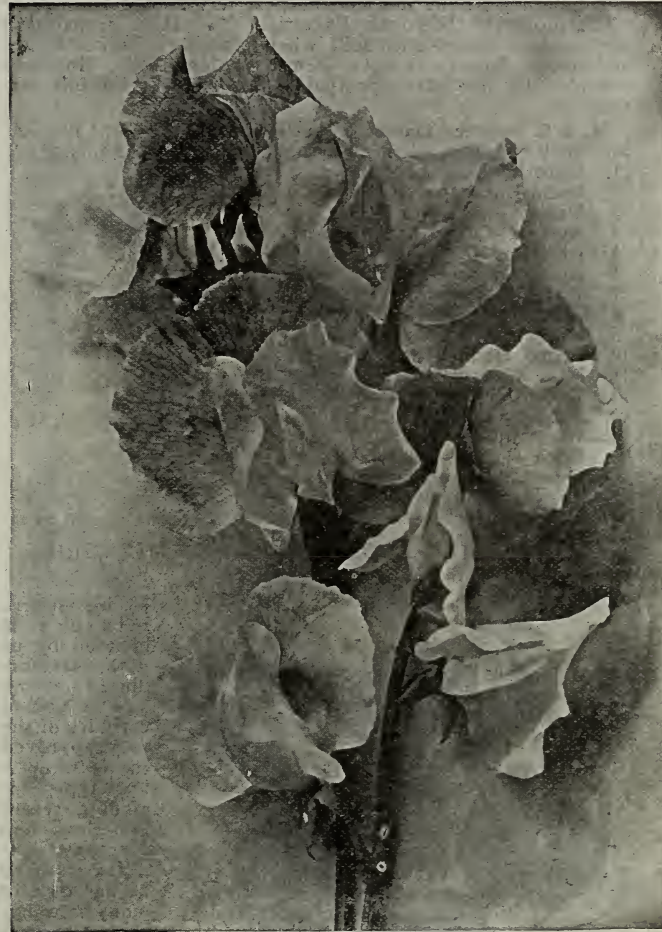
79. *Wall Flower* (Extra Early Parisian). New and distinct. Comes into full bloom by August 4, continues until frost. Magnificent Golden Yellow, Dark Red and Brown, and all colors mixed.

80. *Wild Flower Garden*. (a). Fine mixture of old favorites. 15c. oz.

81. *Zinnia*. (a). (Youth and Old Age). One of the most brilliant and showy of annuals, and has long been a general favorite. They come in flower early in the summer, and keep on blooming until hard frost. Require little attention and succeed almost anywhere. For perfection of blossom start the seeds in March, and prick out once or twice before transferring to the open border in May or June. Provide the plants with plenty of room, at least 18 inches apart each way, and they soon completely cover the ground.

M. & S. Dwarf. Double in 9 distinct colors and all colors mixed. Each, 5c. a pkg.

SWEET PEAS.



A Reproduction of M. & S. Named Sweet Peas.

Sweet Peas, owing to the extremely short crops last year, are very scarce, and, whilst the prices quoted are not firm, we shall endeavor to adhere to them as long as we can. Intending purchasers are strongly advised to order as soon as possible after receipt of catalogue. It will be difficult to replace the seed when our supply is sold.

Through the skill of specialists, the Sweet Pea has become much larger and lovelier than before it became so popular. There are flowers of quite distinct shapes, some of which are a great improvement upon the Sweet Pea of the old type. For garden decoration it is now grown in clumps, and in separate colors. The plants are more robust, dwarf, branching, and bloom more freely, some varieties showing three to four blooms on a stem. A deep, rich, moist soil is best suited to Sweet Peas, hence a trench should be dug 1½ feet deep and filled with very best loam mixed with bone meal or well-rotted stable manure. The vines are usually grown in double rows, with a wire trellis or a row of brush between. For each double row make the drills about 6 inches deep, and 9 or 10 inches apart. Sow plentifully, covering about 2 inches deep, and by degrees, as the vines grow up, fill the trenches with soil, and thin out to about 2 or 3 inches apart. Spring sowings should be made just as early as the ground can be prepared. The earliest flowers are from seed sown in fall, preferably in a dry situation, and 6 or 8 inches deep, giving them level culture. Sweet Peas should not be grown on the same soil year after year. If the loca-

Sweet Peas continued on next page.

Mrs. Geo. R. Willis, of Bengies, Md., writes us: Gentlemen—I want to say to you that I have had better success with your Sweet Pea Mixture than any I have bought.

tion cannot be changed, the soil to the depth and width of a foot or so should be removed and replaced by soil from another part of the garden or grounds. If the soil is in good rich condition, bone meal is the best fertilizer.

"Farmogerm" Nitrogen Bacteria. The ideal preparation for treating sweet peas seed when planting. Makes larger and more flowers, longer stems; prolongs the blooming period. 50c. per bottle postpaid. See page 21 for full particulars.

M. & S. Selected Named Sweet Peas. All 5c. Pkt.; 10c. oz.; 35c. $\frac{1}{4}$ lb.; \$1.25 lb. If sent by mail add 8c. lb. for postage.

1. Dorothy Eckford—White.
2. Sadie Burpee—White.
3. Dainty—Pink and White.
4. Aurora—Orange striped on White.
5. America—Red and White.
6. Lottie Eckford—White and Lavender.
7. Royal Rose—Rose.
8. Extra-Early Blanche Ferry—Pink.
9. Katherine Tracey—Pink.
10. Prima Donna—Soft Pink.
11. Miss Wilcott—Deep Orange Pink.
12. Lady Grisel Hamilton—Lavender.
13. Zoe—Lavender.
14. Navy Blue—Blue.
15. Lord Nelson—Blue.
16. Queen Alexander—Scarlet.
17. Salopian—Scarlet.
18. Othello Morse—Dark Maroon.

M. & S. GILT EDGE SWEET PEA MIXTURE.



M. & S. Gilt Edge Sweet Peas

SPENCER VARIETIES MIXED SWEET PEAS.

Spencer Varieties Mixed Sweet Peas. A special mixture of the Spencer type. 5c. pkg.; 15c. oz.; $\frac{1}{4}$ lb., 40c.; 1 lb., \$1.50. Christmas or Winter Flowering Sweet Peas for forcing indoors.

- Christmas Pink (Pink and White).
- Christmas White.
- Christmas Captain (Blue and Purple).
- Christmas Meteor (Scarlet).

Prices: 25c. ounce, \$2.00 per pound. If wanted by mail, add 8c. per pound for postage.

This seed has been grown from originator's stock and can be depended upon for excellent results.

M. & S. SUPERFINE DAHLIAS.

Culture. One of the most important points in the cultivation of the Dahlia is to select a well-drained position where they will receive the full benefit of the sun during the greater part of the day.



Assortment of M. & S. Superfine Dahlias

As to soil, they are not at all particular, excepting that in the case of a stiff clay some loose material should be added, such as coarse sand, old mortar, or anything which will make the soil loose and friable. The soil must be deeply dug, if possible to a depth of two spades, and a liberal amount of suitable plant food incorporated. For this nothing is more satisfactory than well-decayed stable manure; but where this cannot be conveniently procured pure bonemeal, sheep manure, or any chemical fertilizer rich in ammonia and phosphoric acid will answer.

The planting of dormant roots in the latitude of Baltimore may be done at any time between April 25th and June 15th, the earlier planting being preferable. Green or growing plants must not be set out until all danger of frost is over, say May 10th.

Dahlias should be planted where they can be watered during the blooming period.

NEW INTRODUCTION OF TWO NOVELTY DAHLIAS, CELESTE MEYER AND ELEANOR STISSER.



Celeste Meyer.

Celeste Meyer. This variety originated from seed in the year 1911, and is now offered for the first time. A superb Fancy Decorative Dahlia. Combining all the virtues of a first-class Dahlia. The plant is a strong, vigorous grower, foliage clean and bright. Flowers are quite full and grows to a height of four feet.

Mr. George H. Hopper, 1608 Bolton St., Baltimore, Md., tells us that he purchased his Calladium or Elephant Ear roots from us last spring, and he never saw such growth; some of the leaves measuring three feet across. His neighbors planted Calladium, which only produced leaves half that size.

large in size; borne on exceptionally long stems, which hold the flower erect. Color, Tango Red, heavily tipped and striped with white, which in most of the flowers reaches down to the base of the petal, leaving alternate streaks of red and white. In others the marking is not so distinct, giving a shading of pink and white; a very attractive and pleasing flower; a very prolific bloomer. The supply of this, our latest creation in Dahlias achieved through untiring effort and at great expense, is not very plentiful, and we ask our customers who would like to try one or several of this variety to please order early so that they will not be disappointed in the later part of the season. Price, 50c. each.



Eleanor Stisser.

Eleanor Stisser. A fine, large, decorative type originating in 1911, and is now offered for the first time to the public. This variety is a tall grower, making a height of five to six feet, strong and vigorous. Its color is quite new in the Dahlia family, being a combination of shadings quite unique—Buff to Salmon Rose with a distinct shading of Pink, a pleasing combination of coloring and one that is especially effective in connection with autumn foliage. Flowers well above the foliage. The supply of this, our latest creation of Dahlias, achieved through untiring effort and at great expense, is not very plentiful, and we ask our customers who would like to try one or several of this variety to please order early, so that they will not be disappointed in the latter part of the season. Price, 50c. each.

FANCY CACTUS DAHLIAS.

Aurora. A beautiful reddish-apricot suffused with flesh-pink, shading lighter to the tips. Price, 15c.; \$1.50 per doz.

Aegir. Rich, bright crimson scarlet. 15c. each; \$1.50 doz.

Blanche Keith. Grand flower. Yellow, free bloomer. 15c. each; \$1.00 per doz.

Britannia. Deep Salmon. 15c. each; \$1.50 per doz.

Countess of Lonsdale. A peculiar but pleasing blending of salmon-pink and amber, a color difficult to describe. Flowers freely under all conditions. 10c. each; \$1.00 per doz.

Cockatoo. Lemon Yellow, white centre 15c. each; \$1.50 per dozen.

Else. A charming variety, with a combination of delicate colors. The base of the petals is of butter-cup yellow, gradually passing to amber, finished with a tip of tyrian-rose. 15c. each; \$1.50 per dozen.

Flora. An ideal white Cactus Dahlia. A large, heavy flower, produced on stout, stiff stems, makes it valuable for cutting. 10c. each. \$1.00 per doz.

Floradora. Remarkably free-flowering, bright blood-red. 10c. each; \$1.00 per doz.

General Buller. Dark Velvet Maroon, white tips. 10c. each; \$1.00 per doz.

Gabriel. Creamy-white, edged with vermilion. 10c. each; \$1.00 doz.

Hunold. Terra Cotta Red. 15c. each; \$1.50 doz.

Kriemhilde. A most popular cut-flower variety; perfect flowers on long stems; color a brilliant pink, gradually shading to white at the centre. 15c. each; \$1.50 per doz.

Master Carl. Large, Clear Orange-Salmon. 15c. each; \$1.50 doz.

Morning Glory. Deep Primrose. 15c. each; \$1.50 doz.

Mrs. H. J. Jones. Bright Scarlet, tipped white. 15c. each; \$1.50 doz.

Progenitor. Bright carmine; each petal being furcated on the end like a staghorn fern. 10c. each; \$1.00 per doz.

Standard Bearer. Rich, fiery-scarlet; free and of perfect form. 10c. each; \$1.00 doz.

Strahlen Krone. Cardinal Red. 10c. each; \$1.00 doz.

Thos. Parkins. Bright Terra Cotta. 15c. each; \$1.50 doz.

Volker. Clear Lemon Yellow. 10c. each; \$1.00 doz.

Wunderkind. Luminous canary-yellow shading to white, suffused with flesh at the edges; free bloomer. 15c. each; \$1.50 doz.

Winsome. Pure white; twisted petals. 15c. each; \$1.50 per doz.

Our selection mixed of the above named, \$1.25 per doz.

CHOICE DOUBLE SHOW DAHLIAS.

A. D. Livoni. A splendid clear pink, beautifully quilled, of perfect form, and very free-flowering. 15c. each; \$1.50 per doz.

Cuban Giant. An immense ball of Bright Maroon, free and early bloomer. 15c. each; \$1.50 doz.

Emily. Varying from rosy lavender to white. 15c. each. \$1.50 per doz.

Frank Smith. Intense purplish-maroon, shading almost to Stanley. Bright Golden Yellow and Red. 15c. each; \$1.50 per doz.

black; each petal tipped with white. 10c. each; \$1.00 per doz.

Souv. de Mme. Moreau. Deep rich pink. 15c. each; \$1.50 per doz.

Mary D. Hallock. Deep yellow; free bloomer; good stems. 10c. each; \$1 per doz.

Striped Banner. Cardinal red with broad white stripes through center of each petal. 10c. each; \$1.00 per doz.

Zebra. Pearl White, edged Pink. 15c. each; \$1.50 doz.

CHOICE DECORATIVE DAHLIAS.

Baron Schroeder. Rich purple; highly recommended. 10c. each; \$1.00 doz.

Clifford W. Bruton. A fine bright yellow. 10c. each; \$1.00 doz.

Henry Patrick. A beautiful pure white. 15c. each; \$1.50 doz.

Jack Rose. Brilliant crimson-red, similar in shade to the popular "Jack" Rose, which suggested its name; perfect for garden decoration or for cutting. 10c. each; \$1.00 per doz.

Jeanne Charmet. A splendid cut flower variety of a pleasing shade of violet-rose on a lighter ground. 15c. each; \$1.50 doz.

John Elitch. Beautiful rich cardinal red. 15c. each; \$1.50 doz.

Maman Rozain. Tyrian Red, Purple Sheen, each petal margined white; very beautiful. 25c. each.

Lyndhurst. Brilliant cardinal-red. A fine cut flower. 10c. each; \$1.00 doz.

Mme. Van den Daele. A charming soft rose with deeper markings, shading to white in the centre. 15c. each; \$1.50 doz.

Mrs. Hartong. Golden-bronze; very fine. 10c. each; \$1.00 doz.

Matchless. Deep maroon with black shadings. 10c. each; \$1.00 doz.

Sylvia. Soft, pleasing mauve-pink, gradually changing to white in the centre. A fine cut flower. 10c. each; \$1.00 doz.

William Agnew. Rich, dazzling carmine-red 10c. each; \$1.00 doz.

Delice. Beautiful glowing, rosy Pink, good stems, fine for cutting. 15c. each; \$1.50 per doz.

Grand Duke Alexis. Ivory white, sometimes showing lavender centre. 15c. each; \$1.50 doz.

Mr. A. H. Franklin, Manager of the new Maryland Country Club, Park Heights Avenue, gave us the following compliment: The Rose Bushes the club purchased of you have been the admiration of everybody that saw them. Some of the leading florists wanted to know where they came from.

Golden West. The finest decorative yellow Dahlia in cultivation. 25c. each; \$2.75 per doz.

Souv. de Gus Douzon. Immense flowers; a beautiful red, tall and grand bloomer. 15c. each; \$1.50 per doz.

Mrs. Roosevelt. Delicate Silver Rose 15c. each; \$1.50 doz.
Mme. A. Lumier. Pale White, Violet Red Points. 15c. each; \$1.50 per doz.

FANCY VARIETIES.

	Each	Doz.
Fern-Leaf Beauty. White, striped deep crimson: fern-like foliage	\$.10	\$1.00
Geisha. Rich combination of yellow and red, very showy, as the large flowers stand well above the foliage, peonie type	.25	2.75
Lucy Fawcett. Canary yellow, striped wine, show type	.10	1.00
Le Grand Manitou. White ground color, prettily spotted, striped and blotched with deep reddish violet; dec. type	.25	2.75
Maid of Kent. Cherry red, tipped and blotched white, dec. type	.10	1.00
Progress. Bright, rosy lake, penciled and spotted crimson, show type	.10	1.00
Prof. Mansfield. Rich yellow, clear white, tips rosy red, dec. type	.15	1.50

POMPON DAHLIA.

Little Helen. The finest pure white. When in bloom the entire plant is a mass of flowers. Each, 10c.; doz., \$1.00.

PAEONY FLOWERING DAHLIAS.

Queen Wilhelmina. Pure white; splendid form. 15c. each; \$1.50 per doz.

Queen Emma. Rose; beautiful, distinct flower. 15c. each; \$1.50 doz.

NEW CENTURY SINGLE DAHLIAS.

Twentieth Century. Early in the season an intense rosy-crimson, shading gradually to almost white on the edges and a light halo around the disc. As the season advances the flowers become lighter, changing to almost pure white, suffused with soft pink. 15c. each; \$1.50 doz.

Crimson Century. Rich, deep velvet-crimson, shaded maroon, with rose halo around a yellow disc. 15c. each; \$1.50 doz.

Fringed Century. Intense rosy-crimson with lighter markings, fringed or cleft petals. 15c. each; \$1.50 per doz.

Pink Century. Delicate soft pink. 15c. each; \$1.50 doz.

White Century. Pure White, with large, heavy, overlapping petals of good texture. 15c. each; \$1.50 doz.

Sensation. A gorgeous flower, brilliant vermilion red; heavily tipped and striped with white. No two flowers alike on a bush. 10c. each; \$1.00 doz.

Big Chief. Brilliant cherry red, margined rich, velvet maroon. Each 15c.; doz. \$1.50.

COLLARETTE DAHLIA.

President Viger. Rich, red, white collarette 15c. each; \$1.50 doz.

JAPANESE FERN BALLS.

A very attractive novelty; in dormant state, seven to nine inch bulbs. Each 30c.; by mail, 40c.

PAEONIES.

If wanted by mail, add 5 cents each for postage.

Double Paeonies are too well known to require description. Their present popularity is due to the great improvement in them in recent years, their easy culture, the handsome appearance of the plant, and the brilliant and striking effect of their massive, finely formed and richly colored flowers. The attention given to them, in Europe and America, has resulted in the production of many notably fine new varieties. Among hardy, herbaceous perennials, the Chinese Paeonies rank about first for lawn or flower-border, or shrubbery decoration. They are all hardy.

Paeony Chineses. (Duchess de Memours). Pure white, profuse bloomer. 25c. each.

Paeony Chineses. (Jeanne d'Arc). Fine rose, centre creamy white and sulphur. 25c. each.

Paeony Tenuifolia. Rosed beautiful pink. 25c. each.

Paeony Tenuifolia. Rubra bright red. 25c. each.

Madeira, or Mexican Vine. (Hardy). The tubers, if planted deep and protected during the winter, are hardy. The leaf is very deep green, and grows very dense; the flower is small, white in color and fragrant. This very rapid growing vine should be planted wherever a dense, quick shade is desired. Roots 5c. each; 30c. doz. Add 5c. per doz. for postage.

DOUBLE PEARL TUBEROSES.

Culture. One of the most fragrant and popular of the summer-flowering bulbs. May be started early in hot-beds or pots, or planted in open ground after first of May. The bulbs we offer are not to be compared with cheap ones—ours are sure bloomers. Soaking them over night in lukewarm water promotes rapid growth. 2 for 5c.; doz., 25c.; 100, \$1.25. By mail, 35c. doz.

Madeira Vine Roots. Each, 5c.; doz., 30c.; postpaid.



Elephant Ear.



Double Pearl Tuberose.

CALADIUM ESCULENTIUM (Elephant's Ear).

As centre pieces of specimen in flower beds Caladiums answer well. They also make an excellent edging for a hardy bed of grass, for Ricinus and other tall growing plants. When planted in a bed alone, a border of Scarlet Sage removes the one color effect and makes a beautiful contrast. Do not plant Caladiums outdoors until after May 1st, but to get them in early growth they may be started indoors.

Monster Bulbs. Each, 15c.; doz., \$1.50; postage, 10c. each.

Mammoth Bulbs. Each, 10c.; doz., \$1.00; postage, 5c. each.

M. & S. SUPERFINE NAMED GLADIOLUS.

What a wonderful stride this flower has made during recent years. Its popularity today is exceeded by few other flowers, and it has by no means reached its limit. And there are good reasons for this popularity. Failure with this flower has never been known. They will grow in any open position and bloom well. They are not only showy in the garden, but when cut with the first flower open will last for 10 days in the house. The new colorings defy the choicest orchids. Plant bulbs 4 inches deep, 6 inches apart and stake when 2 feet high. Flowers appear from early July until late in the fall, according to time planted.

America. A beautiful flesh pink, tinged with lavender. A variety of robust growth and easy cultivation. The flowers are very large and expanded, many being open at one time. Each, 6c.; 50c. per doz.

Baron Joseph Hulot. Deep indigo blue slightly marked white at the base of the throat. Very attractive when arranged with yellow flowers in a vase. 10c. each; doz. \$1.00.

Brenchleyensis. Splendid for garden effects, as all the flowers appear at one time, vermillion scarlet color, ideal for planting in front of shrubbery. 3c. each; doz. 25c.

The Bride. Pure white, with white stamens; fine for forcing. 3c. each; 25c. doz.

Non Plus Ultra. Scarlet, white blotched. 6c. each; 50c. doz.

Hollandia. One of the most exquisitely colored and formed gladiolus in our list. In addition, the size of bloom is not exceeded by any other. The color is a delicately flushed salmon-orange. Each 6c.; 50c. dozen.

M. & S. Choice Mixed Gladiolus. Composed of all named varieties in gorgeous blending. 35c. doz.; \$1.75 per 100. Add 10c. per doz. for postage on all Gladiolus.

CULTURAL HINTS ON GLADIOLUS.

A sunny location is very essential. The soil should be one that has natural drainage, and should be thoroughly enriched with well-rotted manure. Set the bulbs out about May 1st. To get best effects, have about 6 inches of space between them. They usually flower 90 days after planting. In order to have a succession of flowers until frost, make a planting about every 10 days, up to July 1st. It is advisable to purchase the bulbs at one time, as they are frequently not obtainable later in the season. While growing, bulbs should be thoroughly cultivated, and should be given a top-dressing of Sheep Manure and Bone Meal. As the bulbs begin to flower, plants should be supported with a suitable stake, to prevent them from breaking off.

M. & S. SUPERFINE CANNA BULBS.



King Humbert Canna.

In almost every private garden, in all public parks and in most of the large cemeteries, Cannas are used with the greatest effect to adorn the surroundings. It is difficult to convey in language an idea of the beauty of the Canna plant and flower.

Culture. Canna tubers should not be put into the ground until the soil has become warm. They commence blooming in June and continue until late in September. Every shoot bears a flower, and these shoots are being constantly produced throughout the blooming season.

Note.—Our prices are for dormant roots in strong divisions of two and three eyes. After May 1st our stock of roots is usually sold, at which time we can fill orders with well-developed plants of any variety on this page (except where noted). 5c. each; 50c. per doz.; per 100, \$4.50. Price of roots at bottom of list.

King Humbert. Truly a king among the Cannas, its majestic growth is doubly enhanced by a massive coppery scarlet flower and the broad deep bronze foliage. It grows 4 feet high and is splendid either as a centre, edged with a dwarf yellow canna or vice versa, placing it around a centre of a tall yellow variety. Roots 7c. each; doz., 75c.; \$6 per 100. Plants, 10c. each; 90c. doz.

Charles Henderson. Grows 4 feet high; rich crimson; green foliage.

Florence Vaughan. Grows 5 feet high; green foliage; rich golden yellow, dotted red.

Austria. Pure canary yellow, reddish dots in centre, 3½ feet high, green foliage.

Italy. Yellow, blotched red, 5 feet high, green foliage.

Black Beauty. Deep crimson, bronze foliage, 6 feet high.

Mme. Crozy. Bright scarlet, golden border, 3½ feet high, green foliage.

Mme. Berat. The nearest approach to a pink; is a first-class bedder; 4 feet; green foliage.

Mont Blanc. The only pure white canna; large flowers; 3½ feet, green foliage.

Richard Wallace. Very large, 4 feet high, green foliage, yellow flowers.

Queen Charlotte. Makes a gorgeous display when planted in masses; color a wide band of yellow, bordering a centre of scarlet; 3 feet high, green foliage.

Egandale. Bronze foliage; currant red flower; 4 feet high.

Venus. One of the softest and most delicate varieties ever introduced; flowers fair size, soft, rosy pink, with border of creamy yellow; bright green foliage; 3½ feet.

Prices of the above or mixed, 5c. each; 50c. doz.

BEGONIAS.

(Tuberous Rooted)

There hardly is a single garden in which there are not semi or entirely shaded spots where the verage flower will not grow; such places are ideal for this flower; yet it will make a dazzling show in the open. Enormous wax-like flowers appear uninterruptedly from June till frost. The bright flowers contrast well with the deep-colored foliage. The bulbs must be lifted in the fall. If you have never grown them, try them this year; Start your bulbs in March and have flowers in June. Plant bulbs outdoors not before May 1st. Splendid pot plants for the house or for bedding. For bedding they should be started in hotbed in March and April. The hollow end of the bulb should be uppermost and but slightly covered. Water sparingly until the plants are growing.



Single Plant of Tuberous Rooted Begonia.

SINGLE AND DOUBLE VARIETIES.

	Each.	Doz.
Crimson	6c.	60c.
Orange	6c.	60c.
Pink	6c.	60c.
White	6c.	60c.
Yellow	6c.	60c.
Mixed	6c.	60c.

DOUBLE VARIETIES.

In separate colors as above.....	7c.	75c.
Mixed, all colors.....	6c.	60c.

Please add 5c. per dozen for mailing Begonias.

Nothing adds more dignity to a country home than a bed of Cannas. They bloom from early summer until frost, making a brilliant show.

Read This—Something New

We are Now Taking Orders for May Delivery

The Everblooming Butterfly Bush

(*Buddleia Variabilis Magnifica*)

Recently Introduced by a Leading Philadelphia Seed House
READ WHAT THEY SAY ABOUT IT



Flowerhead or Butterfly Bush.

SPECIAL MERITS.

1. Very hardy.
2. Blooms the first season.
3. Flowers from early summer till frost.
4. Rich, striking color.
5. Splendid for cutting. Very free flowering.
6. Will thrive anywhere.

Order early, as last year we could not supply sufficient.
Price for strong young plants, which will bloom the first season, if set out early (Ready in May), 50c. each, 3 for \$1.25, \$5.00 per doz.; per 100, \$35.00.

It was a matter of some thought before we finally christened this highly desirable plant with the common English name by which it goes. Several years ago we imported from Europe some plant novelties and this was among them. We observed it carefully for a season, and were charmed with its beauty, ease of culture and free-flowering habit. The name, "Butterfly Bush," was applied to it because it seemed to attract butterflies in large numbers. Particularly we noticed that it was not the common little yellow species of butterfly, but rather the large and gorgeously colored ones that swarmed about it as though vying with it in brilliancy of color. This shrub from a young plant set out in May will mature to full size the first season, producing a handsome bush which the first year often attains a height of four feet. It produces long, graceful stems which terminate in tapering panicles of beautiful lilac-colored flowers that are of miniature size and borne by the hundreds on a flower-head which is frequently ten inches long. A single plant the first season will throw out as many as 50 flower spikes, which increase greatly in number during succeeding years. The year after planting it generally commences to flower in June and continuing each season until severe frosts nips it. It is rather semi-herbaceous, by which we mean in some latitudes it will die down to the ground and, while perfectly hardy, we do recommend covering the roots with manure, as winter approaches, as this will produce a heavy growth the following season. This plant is very desirable as an individual specimen in the lawn and garden, or placed promiscuously in the shrubby border

TESTIMONIALS ON BUTTERFLY BUSH.

Chicago, Ill., July, 1912.

The Butterfly Bush Plants ordered from you this spring are a wonder. I wish you could see them. Five feet high and full of handsome flowers. All who see it praise its beauty and free-flowering qualities, and I would suggest that the following slogan be applied to it:

Just let its odor once delight your nose,
And you will say, "A rival of the rose."

WILLIAM D. HOLLIS,
Rye, N. Y.

The Butterfly Bushes from you this spring did beautifully and I was thoroughly pleased.

MRS. MAY FOLWELL HOISINGTON.

MONTBRETIA.

Culture. Like Gladiolus.

Montbretias being hardy and the brightly colored flowers lasting especially well in water, they are very valuable for cutting and decorative purposes. They resemble somewhat the gladiolus, but in a miniature form. The flower-spikes are very brilliant and produced in quantity. Height, 2 feet. They should be planted in clumps of 50 or 100 bulbs.

Finest Mixture.
Embracing all colors of the rainbow. 25c. doz.; \$1.75 per 100.
Add 5c. dozen for postage.



Montbretia.

TRITOMA.

(Flame Flower, Torch Lily or Red Hot Poker Plant.)



Tritoma, or Red Hot Poker.

In midsummer and autumn, when other flowers are on the wane, the Tritoma looms up and furnishes a wealth of bloom till killing frosts check it. A vase of these arranged with autumn leaves or ornamental grasses make a handsome effect. The roots are considered hardy, though we, however, recommend that they be lifted in the autumn and placed in a box of soil or sand, preferably in the cellar. There are a number of varieties in commerce, but the sort mentioned below seems to be demanded most and fill every need.

Pfitzeri. Blooms from August till October; rich orange scarlet.

We are now taking orders for next May delivery for good, strong plants, 25c. each.

EARLY-FLOWERING CHRYSANTHEMUMS.

Crimson Marie Masse. A crimson sport.
Ralph Curtis. Creamy-white sport of M. Masse.
Horace Martin. Deep-yellow sport of M. Masse.
Mlle. Marie Masse. Beautiful lilac mauve.
Robby Burns. A rosy cerise.
White Quintus. Pure white.
M. Cassimer Perrier. White, tinted pink.
Louis Lemaire. Beautiful golden-yellow.
 All of these Early Flowering Varieties have given good results for outdoor culture. Each, 10c.; 3 for 25c.; doz., \$1.00.

ROSES.**Perpetual, Tea and Climbing.**

Special Directions for Planting Roses. Open a good space in the soil and spread out roots; never cramp them into a small hole. Do not let manure come in contact with roots, but place it underneath and a layer of soil on top. If the rose is a bush plant, set it so deep that only branches are visible above ground, and never the main stem, but too deep is as bad as too shallow; 2 to 4 inches of the lower branches may be under the surface, but no more. If the plant is a budded or grafted rose, be sure that the bud or graft is fully 3 inches below the surface. Prune in spring only, when life is just apparent, and remove what might appear to be surplus wood. The strongest growth should be cut back to within six inches above ground; the weaker growth to 4 inches. All soil above the roots should be well pressed down. Feed your roses with "Ground Bone" and "Pulverized Sheep Manure." Mulch the ground during summer. The only remedy against the rose bug is *Thanatus*; this positively destroys them and does not injure the flower or blossom. (See page 33.)

TEA, OR MONTHLY BLOOMING ROSES.

Pink Maman Cochet.
 Deep rosy-pink.
White Maman Cochet.
 Snowy-white blooms.
Kaiserin Augusta Victoria. Pure white.
Papa Goutier. Rich, rosy-red.
Gruss an Teplitz. Rich, rosy-red.
Richmond Fine. Dark red, good free bloomer.
Helen Gould. Rosy-red.
American Beauty. Deep crimson.
Etoile de Lyon. Pure yellow.
Hermosa. Fine, old, pink rose.
La France. Fine pink.
Perle de Jardin. Yellow; good bloomer.

All of these varieties have given good results for outdoor culture. In different sizes. Each, 35c. and 50c.; doz., \$3.75 and \$5.50.

Jonkheer J. L. Mock. One of the richest roses in cultivation. The flower is perfect, being a grand shade of deep pink, while the outer petals are silvery rose. A free bloomer. 75c. each.

Leuchtfleur. A most brilliant fiery crimson, which looms up amongst its surrounding colors. This is a real beauty and will be sure to please the planter. 75c. each; \$7.50 per dozen.

Lady Hillingdon. Deep coppery yellow and an attractive long bud. In this color there are few roses as good. It is very free in growth and a continuous bloomer. 75c. each; per doz., \$7.50.

Molly Sharman Crawford. On opening, the flower is cream colored, which, as the bloom expands, turns to a pure white. We regard it as one of the finest white Tea Roses. 75c. each, per doz., \$7.50.

**Helen Gould****HYBRID PERPETUAL ROSES.**

General Jacqueminot. (Jack Rose). Bright red.
Baroness Rothschild. Beautiful light pink.
Marguerite Dickson. White, rosy-flesh centre.
Ulrich Bruner. Cherry-red; good bloomer.
Paul Neyron. Clear shining pink, very fine.
 Two-year-old plants, each, 50c.; one-year, 35c.

CLIMBING ROSES.

Crimson Rambler,
Yellow Rambler,
White Rambler,
Pink Rambler,
Empress of China. These produce immense clusters of flowers. Each, 50c.
 Flowers dark red, changing to lighter red. Each, 50c.

Dorothy Perkins. The best pink climbing rose we know of, very robust, attaining a height of 15 feet in a season. Its foliage is smaller than that of the *Crimson Rambler*, but is much more attractive on account of its glossy surface. It also retains the foliage better after the flowering season; the branches are more slender and far more numerous and cover a trellis or wood work more densely. The flower, which is very double and is borne in immense clusters, is of the most delicate pink, and has the splendid quality of retaining its color till it drops. It is a clean grower, not being susceptible to mildew or other diseases. Exceptionally fine plants. 50c. each.

White Dorothy Perkins. In habit of growth it is exactly like the pink of the same name, the flowers, though, are pure white. 50c. each.

Veilchenblau. (The Blue Rose). A sensational novelty, the flower which in bud is a violet blue, which changes to steel blue. It must not be understood that the blue in any of the flowering stages is true blue, as it has a tendency to show crimson. 50c. each.

Climbing American Beauty. Flowers are very full, double, often 5 inches across and of a rosy-crimson; a splendid pillar rose. Each \$1.00.

CHOICE BEDDING PLANTS.

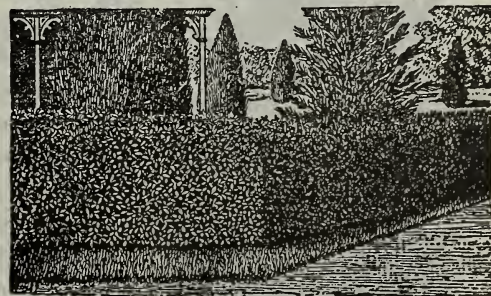
Geraniums All popular varieties, from 4-inch pots, \$1.00 doz.; 3-inch pots, 75c. doz.

Petunias, Heliotrope, Fuchsias, Snapdragon, Sultana, Moon Vines, etc. 10c. each; \$1.00 per doz.

Verbenas, Nasturtiums, dwarf and tall; **Alysium, Coleus, Lobelia, Cosmos, Ornamental Grasses, Alternanthera, Ageratium,** blue and white; **Lantana, Mignonette, Wandering Jew, Parlor Ivy, Ivy and Rose Geraniums, Pansies, Cigar Plant, Dusty Miller, Scarlet Sage, Bonfire Dwarf, Splendeus,** tall; **Abutilons,** dwarf border plant; **Asters** and many more. 5c. each; 50c. doz.

HEDGE PLANTS.**CALIFORNIA PRIVET.**

Exceedingly beautiful; leaves deep green, bright and very glossy; easily transplanted. The plants we supply have been grown under our own supervision, and only selected stock is sent out. It is unlike a fence which needs painting, repairing, etc., and then never looks well. This hedge is no further expense after planted, and it adds dignity and charm to any home, and increases the value of real estate. Being absolutely hardy, it increases in its beauty with each successive year, and the possibilities are amply displayed at some of the model suburban home grounds in and around Baltimore. Privet is somewhat of an Evergreen nature, and looks attractive until real winter sets in. To establish a good hedge, the proper foundation is necessary. The trench should be thoroughly manured, and receive

**Hedge of California Privet.**

Hedge Plants continued next page.

HEDGE PLANTS---Continued.

an additional liberal application of Pure Bone Meal and both worked in with a spade. Plants should be set 12 inches apart in double rows, in zig-zag fashion, so that the plants are diagonally opposite each other; this practically places them 6 inches apart, which is desirable to get a quick, dense growth. Plant from October 1st to November 15th, and from March 15th to May 15th.

California Privet. Two years, 3 to 4 ft. \$5.00 per 100; \$37.50 per 1000. Two years, 2 to 3 feet, \$4.00 per 100; \$32.50 per 1000. Two years, 1½ to 2 feet, \$3.50 per 100; \$25.00 per 1000.



HARDY AND DECORATIVE SHRUBBERY.

Almond. Red or white flowering. 75c.
Althea. White, purple, red. 50c.
Barberry. Very useful as hedge. 50c.
Bridal Wreath. White flowers. 50c.
Dutzia. Pink or white flowering. 50c.
Forsythia. Yellow, very early. 50c.
Hydrangea. Bush, white, turning red. 50c.
Hydrangea. Tree, white turning red. \$1.00.
Lilac. Purple or white flowering. 50c.
Magnolia. White and purple flowering. \$2.50.
Mock Orange. Golden leaved. 50c.
Pyrus Japonicus. Japan Quince, scarlet. 50c.
Spiraea. Crimson, white or pink flowering. 50c.
Snowball. Japanese and common. 50c.
Weigela. White, crimson, pink. 50c.

EVERGREEN SHRUBS AND TREES.

Mahonia Aquifolia. Holly like leaves, very handsome yellow flowers in May; especially good for shady places; 18 to 24 inches. 50c. each; \$5.00 per dozen.

Rhododendrons. One of the most beautiful plants in cultivation; either as a single specimen or in masses; we have an assortment of colors; 18 to 24 inches, \$1.50 each; \$15.00 per dozen.

YUCCA (Adam's Needle).

Evergreen. This plant sets off to best advantage if placed as individual specimens either on the lawn or in the shrubbery border. The foliage is of an evergreen nature, is slender and pointed. The tall flower-spikes rise 4 to 5 feet above the plant and are decked with cream white bell-shaped drooping flowers in July and August. Truly a majestic plant, and especially fine for producing tropical effects. 50c. each; \$5.00 dozen.

ARBORVITAE,
FIR,
JUNIPER,
PINE,
RETINOSPORA,
SPRUCE,
YEW,

FROM
\$1.00 UP
AS TO SIZE AND
VARIETY.

Box tree from \$1.50 up.

HARDY CLIMBING VINES.

Clematis. Large flowering hybrid; purple, white or red. 50c. each.
Clematis Paniculata. Small; white flowering; very fragrant; strong grower. Most satisfactory clematic that grows. Large plants, 35c. each.

Wisteria. White and purple. Two years old. 50c. each.

Trumpet Vine. Two years. 50c. each.
Honeysuckle. Popular climber. 25c.

SHADE TREES.

Norway Maples. 8-10 ft., \$1.25; 10-12 ft., \$1.50.

Silver Maples. 10-12 feet, \$1.00.

Catalpa Bungei, grafted, 6-8, \$2.00.

Poplar, Carolina, 10-12 ft., \$1.00.

Poplar, Lombardy. 8-10 ft., 75c.

Teas Weeping Mulberries. 5-6 ft., \$1.00.

Weeping Willows, 5-6 ft., 75c.

Betula Alba or White Birch. 8-10 ft., \$1.00.

American Lindens. 8-10 ft. \$1.00.

Japanese Maple. Blood Leaf. 2-3 ft. \$2.25.

Cornus Rubra, or Red Dogwood. 2-3 ft. \$1.25.

Cornus Florida, or White Dogwood. 3-4 ft., \$1.00.

Oriental Plane. 10-12 ft., \$1.00.

American Elm. 10-12 ft., \$1.00.

Tulip Tree. 8-10 ft., \$1.00.

Sycamore. 10-12 ft., \$1.00.

Write for prices on larger quantities.



Silver Maple.

ORNAMENTAL GRASSES—Strong Clumps.

Pampas Grass. Eulalia. Striped lengthwise.

Pampas Grass. Zebrina. Striped crosswise. 35c. each; \$3.00 doz.

PERENNIALS—Field Clumps.

Sweet Williams. 10c. each; \$1.00 per dozen.

Hardy Pinks. Dianthus. 15c. each; \$1.50 per dozen.

Hardy Phlox. Different colors. 10c. each; \$1.00 per dozen.

Double and Single Hollyhocks. 15c. each; \$1.50 per dozen.

Stocks (Cut and Come Again. 10c. each; \$1.00 per dozen.

Digitalis. Foxglove. 10c. each; \$1.00 per dozen.

Golden Glow. 25c. strong clump.

FRUIT TREES
and
BERRIES

Black Tartarian Cherry. Very large; purplish black; half tender; flavor mild and pleasant. Tree a remarkably vigorous, erect and beautiful grower, and an immense bearer. Ripe last of June and beginning of July. One of the most popular varieties in all parts of the country.

Governor Wood, Yellow, Florence, red English Morello, Red Tart, and other leading varieties. 50c. each.

Apples. All popular varieties. 40c. each.

Pears. All popular varieties. 40c. each.

Peaches. All popular varieties. 40c. each.

Plums. All popular varieties. 40c. each.

Quinces. All popular varieties. 40c. each.



Black Tartarian Cherry.



Fay's Prolific Currant.

well established and ready to ship turn them out of the pots, preserving the balls of earth around the roots and wrapping them in paper. In this way, during the hottest weather in July, August and September, plants can be transported safely and transplanted satisfactorily. Plants set out in July, August and September will yield a crop next season. These cannot be sent by mail. We can furnish Sharpless, Late Orem, Medium, Nick Ohmer, Early, and other popular varieties.

Grapes. Blue, Green and Red, 2-year-old stocks. 40c. each.

Fay's Prolific. By odds the best red Currant we have. Large, wonderfully prolific and of good flavor. Has now been fruited here, and is simply grand. It far surpasses all other red varieties, and has fully sustained the broad claims which were made by the disseminator upon its introduction. The bush is a strong grower and comes into bearing early. Price, \$2.00 doz. All other popular varieties, \$2.00 doz.

Gooseberries. Popular varieties. \$2.00 per dozen.

Blackberries. Popular varieties. \$1.25 per dozen.

Raspberries. Popular varieties. \$1.25 per dozen.

STRAWBERRY PLANTS.

The ordinary runners are set out in March, April, September, October and November \$1.00 per 100

POT - GROWN STRAWBERRY PLANTS 50c. doz.; \$3.75 100; \$30.00 per 1000;

Ready for shipment after July 15. Of late this kind of plant has become very popular, and is almost exclusively employed for garden planting.

The failures are few, and much care and labor are avoided. We grow the plants in pots, and when they are



We issue a Fall bulb circular on Hyacinths, Tulips, Crocus, etc., in September. If you are not on our regular mailing list, call or write for same.

Headquarters for Fertilizers and Plant Foods, Insecticides and Spraying Materials, Etc.

Ober's Pure Raw Bone Meal. (Guaranteed analysis—Phosphoric acid 21%, equivalent to bone phosphate of lime 48%, ammonia 4½%). Does not burn. For flowers, trees and top dressing, 6 lb., 25c.; 25 lb., \$1.00; 100 lb., \$2.25; 200 lb., \$4.00; ton, \$35.00.

Ober's Pure Bone Meal. (Guaranteed Analysis—Phosphoric acid 22%, equivalent to bone phosphate of lime 50%, ammonia 3%). Splendid article for building up worn out soil, lawns, etc. 6 lb., 25c.; 25 lb., 75c.; 100 lb., \$2.00; 200 lb., \$3.75; ton, \$32.50.

Ober's Dissolved Animal Bone and Potash. (Guaranteed analysis—Ammonia 2½ to 3%, available phosphate acid 10 to 12%, potash 3 to 4%. Highly recommended for lawns and other grasses. 165 lb. bag, \$3.25; ton, \$30.00.

Ober's Complete Vegetable Fertilizer. (Guaranteed analysis—Ammonia 5 to 6%, available phosphate acid 7 to 9%, potash 5 to 6%.

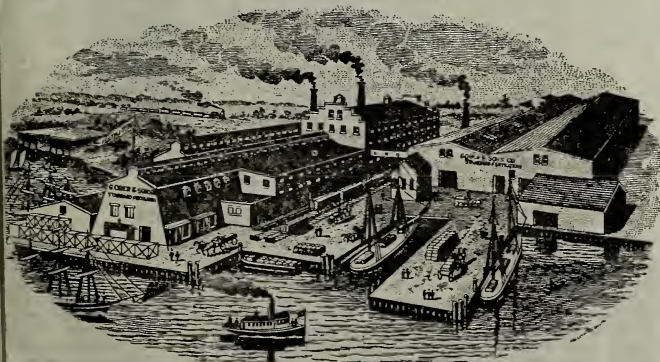
Lands suitable for trucking are the highest priced lands in America, and profits must necessarily be large. Successful market gardeners realize that the liberal use of commercial fertilizers mean: First—strong and healthy plants; for plants, like persons, are, when poorly nourished, very subject to disease. Second—early and large crops, which result in more profit per acre. Third—sweet and tender fruit, the result of rapid growth and quick maturity. For foliage crops, such as cabbage, lettuce, spinach, etc., ammonia is needed; for woody plants and for fiber, phosphoric acid; for fruit, sugar and starch productions, potash. Our Complete Vegetable Fertilizer meets all these conditions and is excellent for general use in market gardening. Ton, \$35.00; 165 lb. sack, \$3.50.

Ober's Special Plant Food. 2-9-5. To be highly recommended for potatoes. 165 lb. bag, \$2.50; ton, \$26.00.

Ober's Farmers' Standard Ammoniated Phosphate. 2-9-2. A good all-around fertilizer. 165 lb. bag, \$2.25; ton, \$24.00.

Ober's Farmers' Mixture. 1-9-2. A general crop producer. 165 lb. bag, \$2.00; ton, \$20.00.

Special Tobacco Bed Fertilizer. 10-4-3. \$46.00 ton; \$4.75 per bag.



G. Ober & Sons Co. Mammoth Plant, where the Fertilizers we sell are made.

Special Compound for Tobacco. 3-8-3. \$27.50 per ton; \$3.25 per bag.

Acid Phosphate or South Carolina Rock. 16 per cent. Bag, \$2.00; ton, \$15.00; 14 per cent., \$14.00 per ton.

Nitrate of Soda. Lb., 10c.; 25 lb., \$1.50; 50 lb., \$2.50; 200 lb., \$7.00; ton, \$65.00.

Ground Plaster. 200 lb. bag, \$1.00; ton, \$9.00.

Sheep Manure. 5 lb., 25c.; 10 lb., 40c.; 25 lb., 75c.; 100 lb., \$2.00.

Prepared Shell Lime. To sweeten sour soil. 200 lb. bag, \$1.00; ton, prices on application.

Hydrated Lime. The best obtainable; keeps fresh indefinitely; does not air slack; ready for immediate use. Guaranteed analysis at point of manufacture: Calcium Oxide (caustic lime), at least.....70% Magnesia Mgo., not over.....2% Calcium Oxide (lime as carbonate).....2%

\$7.50 per ton; 75c. per bag, in 100-lb. bags.

Muriate of Potash. 100 lb., \$3.00; ton, \$46.00.

Kainit. 100 lb., \$1.00; ton, \$13.00.

Sulphate of Potash. 90%. \$53.50 per ton; \$3.50 per 100 lbs.

Ground Tankage. 8 to 9% \$40.00; 10% \$45.00; \$3.00 100 lbs.

"Planto." Plant food. Pkg., 10c.; 3 for 25c.

Evergreen Brand Fertilizer. Feed your flowers and plants on the most reliable and profitable greenhouse manure. ½ lb. boxes (by mail, 5c. extra), 25c.; 12 lb. cans, \$2.00; 50 lb. drums, \$8.00.

"Fluerette." A liquid plant food. Makes strong and rapid growth, gives luxuriant foliage, enlarges and nourishes the bloom. Carefully prepared so as not to injure the tenderest shoot peeping through the soil or the most delicate fronds of the fern. Destroys all germs that breed insects in the soil and feeds the plant at the same time. To be diluted with water and it is ready for use. ½ pt., 15c.; pt., 25c.; qt., 40c.; ½ gal., 75c.; gal., \$1.15.

"Thanatus." An insecticide to destroy mealy bugs, snail, green fly, red and black spider, black flea, scale and all insects that infest plant life. It is perfectly harmless to the bloom, bud or plant, and contains no poison or acid; in fact, a flower could be soaked in this solution for several minutes without doing any damage whatsoever. No solution now on the market is as harmless and so effective. "Thanatus" is very adaptable for all indoor plants, and always ready for use by diluting with water. Directions on label. ½ pt., 25c.; pt., 40c.; qt., 75c.; ½ gal., \$1.00; gal., \$1.75; 5 gal., \$5.00.

Hammond's Slug Shot. A non-poisonous powder; it requires no further mixing or preparation; easily applied, and not injurious or dangerous to animals or the person applying it on fruits and vegetables treated; destroys potato bugs and beetles, green and black fly, slugs, worms, caterpillars, etc. Ten to forty pounds is enough for an acre. 5-lb. pkg., 25c.; 10-lb. pkg., 50c.



"Bug Death." Kills potato, squash and cucumber bugs, currant and tomato worms, and all bugs and worms that chew the leaves of plants; nonpoisonous. Lb., 15c.; 3 lbs., 35c.; 5 lbs., 50c.; 12½ lbs \$1.00; 100 lbs., \$7.50.



Dickey Duster. Used for applying "Bug Death." 25c.

"Acre-an-Hour" Duster. 75c.

Paris Green. In cartons. Strictly pure. ½ lb., 10c.; ½ lb., 15c.; lb., 30c.

Lime Sulphur Solution. For use in the dormant period. Qt., 25c.; cans, gal., 75c.; 5 gal., \$2.00; 10 gal., \$3.00; ½ bbl., \$5.00; bbl., \$9.00.

White Hellebore. For rose slugs, currant worms, etc. ½ lb., 15c.; lb., 25c.

Flowers of Sulphur. Effective for mildew. Lb., 10c.; 5 lbs., 40c.

Whale Oil Soap. An excellent wash for trees and plants. Effective against scales and insects. One pound to four gallons of water. Lb., 25c.; 5 lbs., 75c.

Lemon Oil "Standard" Insecticide. As a dip or a spray effective and harmless to delicate plants. Destroys thrip, scale, red spider fly, caterpillar, American blight, etc. Dilute with 50 parts of water. Odorless, poisonless, the best flea killer, wash and mange remedy for dogs and cats. ½ pt., 25c.; pt., 40c.; qt., 75c.; ½ gal., \$1.25; gal., \$2.00.

Sulpho-Tobacco Soap. A sure and safe exterminator of all kinds of insects and vermin. A powerful fertilizer. Pkg., 10c. and 20c.

Tobacco Dust. Lb., 5c. Special price on quantity.



We just received this order from Miss Martha Schurmann, Roland Park, Md.: Please deliver to bearer one-half dozen bottles "Thanatus" and one-quarter dozen "Fluerette." These two articles surpass by far anything of their nature I have ever used.

INSECTICIDES, ETC.—Continued.



Grape Dust. A powder preparation used for mildew, aphids, black fly, and other insects and fungous diseases, principally in greenhouse. Per 5 lbs., 40c.; 75c. per 10 lbs.; per 25 lbs., \$1.75; \$6.00 per 100 lbs.

Blue Stone, or Copper Sulphate. Lb., 10c.

"Nico-fume." A tobacco paper insecticide for fumigating greenhouses. Extensively used by prominent florists. Very easy to apply. 24 sheets, \$1.00; 144 sheets, \$4.00; 288 sheets, \$8.50.

Nico-Fume Liquid. A refined solution of free nicotine. Used as a spray or fumigator. Death to all kinds of insects that infect plant life. ¼ lb. can, 60c.; 1 lb. can, \$2.00; 4 lb. can, \$7.00; 8 lb. can, \$13.50.

Black Leaf 40. A concentrated solution of Nicotine Sulphate, an excellent spray for black aphids sucking insects of all kinds; dilutes 1 part to 900 or 1000 parts of water, according to treatment. Full directions on each package. ½ lb., 85c.; \$3.25 per 2½ lbs.; 10½ lbs., \$12.50.

Stott's Fir Tree Oil Soap. A non-poisonous insecticide for use on trees and plants of all kinds. Used on animals, it will cure mange and all skin diseases, and it is most effective for destroying fleas and other insects. One ounce makes one gallon. ½ lb. cans, 25c.; 2 lb. cans, 75c.

Weed Killer. A scientific preparation for destroying grass and weeds in paths, roadways, streets and gutters. To be diluted with water. Qt., 35c.; ½ gal., 60c.; 5 gal., \$4.00; 10 gal., \$7.50; barrel lots, 65c. per gallon. One gallon makes 40 gallons of solution.

Electro Arsenate of Lead in Dry Powder Form. Is the only successful dry arsenate of lead because it is the only one in amorphous (non-crystalline) form. Electro Arsenate of Lead is in a form that will stick the longest. This is not true where the product is granular or crystalline. This is one reason why Electro Arsenate of Lead should always be used. Heavy rains will not readily wash it off, and it will be effective for months after application. It mixes instantly with water. ½ lb. cartons, 25c.; 1 lb. cartons, 40c.; 6 lb. kits, \$1.80. Special prices in quantity.

Electro Arsenate of Lead Paste. Is supplied where a paste form is desired. The material is guaranteed to contain 20% arsenic oxide on a basis of 40% water. Most paste forms of arsenate of lead contain but 12½ to 15% arsenic oxide and 50% of water. This material has all the chemical qualities of the Powder and is in the same physical condition, except that it is packed in paste form. 1 lb. jars, 30c.; 2 lb. jars, 50c.; 12½ lb. kits, \$2.25. Special price in quantities.

"ELECTRO"



SPRAY CHEMICALS



Tomato Horn Worm.

Electro Bordo-Pulp, or Bordeaux Mixture. Is a scientific compound of copper sulphate (blue vitriol) and high grade lime for use as a fungicide only. It is not poisonous to insects.

This is Bordeaux Mixture (one of the oldest fungicides known) in a concentrated form. It has long been found satisfactory for the control of fungous diseases.

Because of the fact that we can carefully watch the crude materials as well as the process of manufacture, we can turn out a concentrated Bordeaux better than the grower at home who must utilize crude methods. 1 lb. jars, 30c.; 10 lb. kits, \$1.50.

Electro Bordo-Lead Mixture. A great substitute for Pyrox. This is a combination of our 20% Electro Arsenate of Lead Paste and Electro Bordo-Pulp in proper proportions. Ten pounds of this in 50 gallons of water will be equivalent in arsenate of lead to approximately 5 lbs. of our 20% Arsenate of Lead Paste, and in Bordeaux to the 4-4-50 formula.

The remarks on Electro Bordo-Pulp are also true of the Bordo part of this mixture. Consequently, you will see that this is a very desirable spray material to use, giving a combined fungicide and insecticide ready for use, requiring only thinning down and addition to water. This mixture is especially adapted for a combined spray on potatoes, tomatoes, etc. 1 lb. jars, 30c.; 10 lb. kits, \$1.75. Special prices in quantity.

Electro Kerosene Emulsion. This is for spraying plant lice, aphids, leaf hoppers, etc. It is readily soluble in water, and should be diluted for the various insects and fruit trees per directions on the label. 1 qt. cans, 40c.; 1 gal., \$1.00; 5 gal. cans, \$3.75. Special price in quantity.

Electro Insecticide Soap. Superior substitute for whale oil soap. Oil soap is especially valuable as a spray for lice and soft-bodied larvae. By our process we obtain an oil soap which does not contain free alkali. This is a very important item, as the presence of free alkali means severe injury to foliage and fruit. Unlike most so-called whale oil soaps on the market, this is not a by-product with us, but is especially prepared for the purpose for which it is required, and consequently much greater care is used in its manufacture. 1 lb. cans, 25c.; 5 lb. cans, 90c.; 10 lb. kits, \$1.25. Special price in quantity.

VREELAND'S MICRO.

For Dusting Potatoes, Corn, Tomatoes, Etc.

The control of chewing insects on ground crops by dusting is just as effective, more economical and often more convenient than by wet spraying. Vreeland's "MICRO" is a perfect dust-spray, combining with it such fungicidal properties that an extra fungicide spray is not necessary in many instances. 1 lb. cartons, 40c. 6 lb. kits, \$1.50; 12½ lb. kits, \$2.25. Special prices in quantity.

"Electro" Tree Wound Paint. Is used for painting the wounds on trees after pruning or where canker has been cut out. It makes a perfectly smooth surface, impervious to water, and it is a splendid disinfectant. One application is all that is necessary. 1 qt. cans, 50c.; 1 gal. cans, \$1.50; 5 gal. cans, \$6.25. Special price in quantity.

Tree Tanglefoot. A paste preparation for painting around the trunks of trees, in the form of a band. Caterpillars and other crawling pests cannot get over it. Per lb., 30c.; 3 lb. cans, 85c.; 10 lb. cans, \$2.65; \$4.80 per 20 lbs.

"SCALESIDE."

The Tree Saver.

Are your trees healthy and vigorous? If so, "SCALESIDE" will keep them so; if not, we will guarantee that "SCALESIDE", applied once yearly, while the trees are dormant, will do more to bring them back to health, vigor and fruitfulness than any other spray you can use.

Spray every bush, shrub, vine and tree in your yard in the spring, before they leaf out, with "SCALESIDE" diluted 1 part to 15 parts of water. It will clean them of scale, eggs and larvae of insects, and the spores of fungi, that you can reach while the trees are dormant, allowing them to leaf out in the Spring freed from all these parasites, and giving them a healthy start.

"SCALESIDE" is not disagreeable to handle; does not corrode or stop up your pumps; does not injure the most delicate skin (it can even be placed in the eyes without the slightest inconvenience or injury), and does not stain woodwork. It is not a Summer spray, but the Winter application has an invigorating effect on plant or tree growth.

One gallon of "SCALESIDE" will spray as many trees as 3½ gallons of Lime-Sulfur Solution. Dilute for all dormant spray work 1 part to 15 parts of water. 1 qt., 40c.; 1 gal., \$1.00; 5 gals., \$3.75; 10 gals., \$6.75; 30 gals., \$16.00; 50 gals., \$25.00.

"SULFOCIDE."

This is a soluble sulphur compound, and when used as a paint will protect young trees from the attacks of rabbits and mice, and also from apple and peach borers. It is the best remedy known that is non-injurious. When dry, it is almost insoluble in hot or cold water. One or two applications last a year.

"SULFOCIDE" as a fungicide is invaluable in the garden for controlling most fungous diseases effecting vegetables, when a poison is not needed. One gallon makes 200 to 300 gallons of spray.

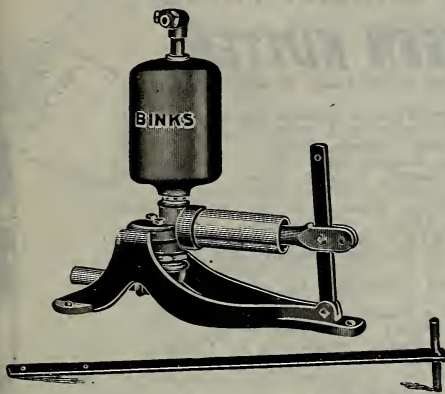
Especially valuable for rusts, mildew and red spiders on roses, hollyhocks, etc. 1 pint, 50c.; 1 qt., 75c.; 1 gal., \$2.00.

Spray Pumps and Accessories.

No. 19. Binks Hand or Power Sprayer. This is a machine of unusual merit. It takes the place of the barrel pump. The advantage over the barrel pumps are outside working parts, which are easily removed for cleaning. This machine cannot only be used in the orchard, but is fully guaranteed to spray whitewash and any kind of liquid paint. It can easily be converted into a power sprayer with a pump jack and a 1½-horsepower engine, which would operate it at 200 lbs. pressure and supply 4 spray nozzles. Price complete, with 200-lb. pressure gauge, 10 feet of ½-inch discharge hose, one length of 1-inch suction hose, spray pipe, including 1½-inch stop-cock and excel-all spray nozzles. Price, \$17.50.

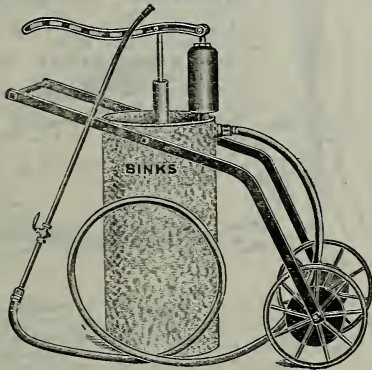
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SPRAYERS—Continued.



No 19

having an all-brass cylinder and brass ball valves with removable seats, the latter of which are replaceable, if ever worn out, at the slightest cost; while the plunger is made of a special canvas and other fabrics resisting the action of all spraying chemicals. The large iron air chamber gives a constant, steady spray. The pump is equipped with an agitator, which operates at each stroke of the pump handle and prevents any materials from clogging about strainer. The pump itself is mounted in a substantial galvanized steel tank of 12 gallon capacity, the whole being suspended between the handles, to which are attached steel wheels 16 inches in diameter with an 1½ inch face tire. The large wheels allow this machine to be easily moved over rough or soft ground. The machine being but 15 inches wide at the widest point, allows same to pass through narrow passageways, peculiar to greenhouses, etc. Price of machine complete, as illustrated, with 10 feet Star Special ½ inch discharge hose, spray pipe, shut-off cock and spray nozzle, \$13.50.



No 21



No 22.

No. 20 Binks Sprayer. Similar to the above, but is not mounted on wheels. Capacity 6 gallons. Equipped like No. 21, price \$9.00. The cut No. 22 illustrates the last word in the way of a small Compressed Air Sprayer. We guarantee this sprayer to be made of heavier metal, better materials, and unlike similar machines of its type, it will operate at a higher pressure than any similar machine on the market. The above machine as well as other machines of our manufacture is guaranteed to spray any insecticide, disinfectant, whitewash or paint that can be sprayed.

Equipment furnished complete in Galvanized Steel with 3 feet discharge hose, spray nozzle and shutoff cock, with shoulder strap for carrying, \$6.00; same as above, all brass, \$7.50.

Extension Pipes, etc.. For reaching into trees, ¾ inch threads.

Bamboo, with brass tube, 8 ft., \$2.00.

Bamboo, with brass tube, 10 ft., \$2.50.

Galv. Iron, 2 ft., for Auto Sprays, 30c.

Brass, 2 ft., for Auto Sprays, 45c.

Stop Cock, for extension pipes, 40c.

Spray Nozzles. (¾ inch thread). Bordeaux and Vermorel, each 75c.; Winkle Mist, Brass or Aluminum, 75c.

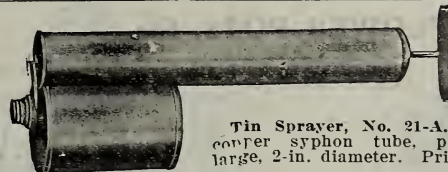
The Brown "Auto-Spray" No. 1. We recommend this Sprayer for shrubs, vines, greenhouses, poultry houses, hospitals, and stables for disinfectants, for sheep and cattle dip and cattle fly oils. It may be used where any bucket or knapsack sprayer can be used, and with much more satisfaction. Even those who have commercial orchards and large power sprayers need the "Auto-Spray" No. 1 for small work. No. 1A, brass tank with stop-cock, \$6.75; No. 1 B, brass tank with auto pop, \$7.25; No. 1C, galvanized tank with stop-cock, \$4.50. No. 1D, galvanized tank, with auto pop, \$5.00.

Li-Sul Sprayometer. These are recommended by agricultural experimental stations for testing the gravity of Lime Sulphur Solution. One should be in the hands of every man who uses this material. Price, \$1.00.

"Paragon" Sprayer No. 1. For white washing, water painting, spraying trees and vines and for many other purposes. Cannot clog. A good all-around general sprayer. 5 ft. extension pipe, 5 ft. 6-ply hose, 2 spraying nozzles. Capacity 6 gal. Price, \$10.00.

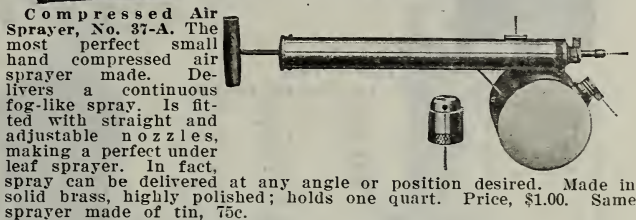
No. 3. Capacity 12 gal. \$15.00.

No. 21. Binks Sprayer. This general purpose sprayer, which has many superior features over any other machine of a similar design, i. e., the only one of its kind



Copper Strainer. For straining whitewash, spraying material, etc. \$1.00 each.

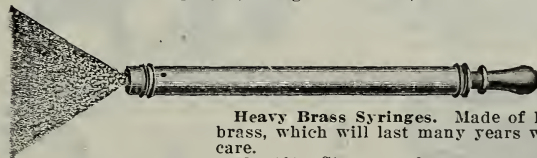
Tin Sprayer, No. 21-A. Heavy material. copper syphon tube, pump cylinder extra large, 2-in. diameter. Price, 40c.



Compressed Air Sprayer, No. 37-A. The most perfect small hand compressed air sprayer made. Delivers a continuous fog-like spray. Is fitted with straight and adjustable nozzles, making a perfect under leaf sprayer. In fact, spray can be delivered at any angle or position desired. Made in solid brass, highly polished; holds one quart. Price, \$1.00. Same sprayer made of tin, 75c.

Compressed Air Sprayer No. 37E. Same as above, but holds two quarts. All brass \$1.50.

No. 37D. Same sprayer, but galvanized. \$1.25.



Heavy Brass Syringes. Made of heavy sheet brass, which will last many years with a little care.

No. 101. Stream and spray rose, 12 in., 1 in. cyl., \$1.50.

No. 102. Stream and spray rose, 16 in., 1 in. cylinder, \$2.50.

No. 103. Stream and spray rose, 16 in., 1½ in. cyl., \$3.00.

Jumbo Powder Gun. Very useful in the dwelling or for other places. Distributes dry powder very satisfactorily. Price, 25c.



Fig. 4.



No 2

Rubber Plant Sprinklers.

They can be used for sprinkling plants, cut flowers, etc.; also for damping clothes and carpets and for disinfecting purposes.

No. 1. Straight neck, \$1.00; fig. 2, angle neck, \$1.

No. 2. Straight neck, fig. 3, 75c.; angle neck, 75c.

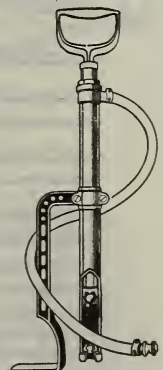
Insect Powder Bulb. Small size, 10c. Fig. 4 can also be used with water. \$1.00.

Champion Powder Gun. This machine will distribute dry insecticides, covering one or two rows at one time. Price, \$8.00.

"Modoc" Bucket Pump. (Fig. 1). This pump is all brass except the foot piece and handle. The foot piece holds the pump firmly in the bucket or pail in just the proper position for work. The pump is equipped with 3 ft. ½ in. spray hose attached with clamps. Price, \$3.00.

The "King" Barrel Spray Pump. This pump has self-oiling plunger and is constructed so that the packing may be tightened without taking the plunger out of the cylinder. No leather or rubbers used in the pumps; the packing is specially prepared and will withstand the action of spraying chemicals longer than any other material and can be replaced in a few minutes at a nominal cost. Dimensions, 1½ in. cylinder; 2 in. air chamber and fastens to chime of barrel. Equipped with 5 ft. hose, nozzle, agitator, etc. Price, \$10.50.

Fig. 1



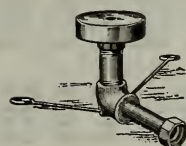
LAWN SPRINKLERS.

Ring Fountain Sprinkler. All brass. Price, 75c.

Lawn Shower Sprayer. No. 3. An even, gentle spray is thrown over 25 feet in diameter at a water pressure of 40 pounds. The nozzle may be connected to hose for washing sidewalks. Used in concrete mixing and general fire protection. It makes an attractive fountain display. Holder and Nozzle, complete, (¾ in. connection), \$2.00.

Three-arm Sprinkler, \$1.25.

Four-arm Sprinkler, \$1.75.



Mr. Louis Nichols, St. Helena, Md., says: The Detroit Dark Red Beet, as well as the Charleston Wakefield and Savoy Cabbage Seeds that you furnished me with produced the finest crops that I ever had.

FLOWER POTS, Etc.

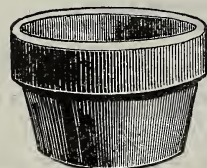


Plant Tubs. Cedar wood, painted green and strongly built.

No.	Diameter.	Depth.	Price.
No. 1.....	11½ in.	11½ in.	\$1.00
No. 2.....	13½ in.	11¼ in.	1.25
No. 3.....	14¾ in.	14 in.	1.75
No. 4.....	16 in.	15 in.	2.25
No. 5.....	19 in.	18 in.	3.00
No. 6.....	22 in.	19½ in.	4.00

Earthenware Flower Pots.

	Each.	Doz.	Per 100	Per 1000
2 in.....	1c.	10c.	\$.75	\$5.00
3 in.....	2c.	15c.	1.00	7.50
4 in.....	3c.	25c.	1.50	12.00
5 in.....	4c.	40c.	3.00	22.00
6 in.....	6c.	60c.	4.00	30.00
7 in.....	10c.	80c.	6.00	30.00
		Each.	Doz.	
8 in.....		12c.	\$1.25	
9 in.....		20c.	1.75	
10 in.....		25c.	2.25	
11 in.....		30c.	3.00	
12 in.....		40c.	3.50	
14 in.....		.80	8.00	
16 in.....		1.50	13.50	



Earthenware Bulb Pans.

	Each.	Doz.
5 in.	7c.	\$.50
6 in.	10c.	.75
7 in.	12c.	1.00
	Each.	Doz.
8 in.	15c.	\$1.25
9 in.	18c.	1.75
10 in.	20c.	2.25

Earthenware Saucers.

4 in.....	Each.	2c.	Doz.	20c.	10 in.....	Each.	9c.	Doz.	\$.90
5 in.....	Each.	3c.	Doz.	25c.	11 in.....	Each.	11c.	Doz.	1.00
6 in.....	Each.	4c.	Doz.	35c.	12 in.....	Each.	15c.	Doz.	1.25
7 in.....	Each.	5c.	Doz.	50c.	14 in.....	Each.	25c.	Doz.	2.00
8 in.....	Each.	6c.	Doz.	60c.	16 in.....	Each.	40c.	Doz.	4.50
9 in.....	Each.	8c.	Doz.	75c.					

Pot Labels.

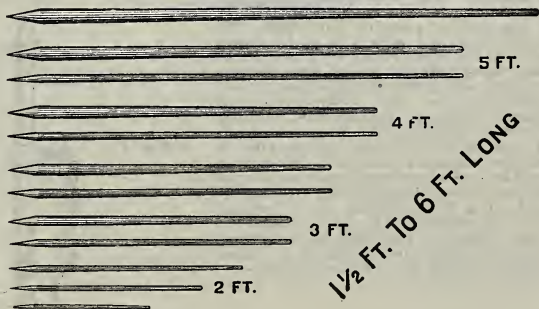
4 in., per 1000	Plain,	\$.70	Painted,	\$.85
½ in., per 1000	Plain,	.85	Painted,	1.00
5 in., per 1000	Plain,	1.00	Painted,	1.25
6 in., per 1000	Plain,	1.25	Painted,	1.50
12 in., per 100		.75c.		

Painted Tree Labels.

3½ in., notched or pierced.....	Per 1000,	\$.80
3½ in., iron wired.....	Per 1000,	1.00
3½ in., copper wired.....	Per 1000,	1.25

Bamboo Plant Stakes.

2 ft., painted green.	Per Doz.,	10c.	Per 100,	\$.55.	Per 1000,	\$4.00
3 ft., painted green.	Per Doz.,	10c.	Per 100,	.60.	Per 1000,	5.00
4 ft., painted green.	Per Doz.,	15c.	Per 100,	.75.	Per 1000,	6.00
5 ft., painted green.	Per Doz.,	20c.	Per 100,	1.00.	Per 1000,	7.00
6 ft., not painted.	Per Doz.,	20c.	Per 100,	1.00.	Per 1000,	6.00



Heavy, or Dahlia Stakes.

3 ft.	Each.	7c.	Per Doz.,	\$.75.	Per 100,	\$4.85
4 ft.	Each.	10c.	Per Doz.,	1.10.	Per 100,	6.50
5 ft.	Each.	11c.	Per Doz.,	1.25.	Per 100,	8.15
6 ft.	Each.	15c.	Per Doz.,	1.50.	Per 100,	9.75

Light Plant Stakes.

1½ ft.	Each.	2c.	Per Doz.,	17c.	Per 100,	\$1.00
2 ft.	Each.	3c.	Per Doz.,	28c.	Per 100,	1.70
2½ ft.	Each.	5c.	Per Doz.,	39c.	Per 100,	2.40
3 ft.	Each.	5c.	Per Doz.,	51c.	Per 100,	3.20

GARDEN TOOLS.

KEEN KUTTER

Round Point Long Handle Shovels, \$1.00.

Square Point D Handle Shovels, No. 2, \$1.00; larger, No. 4, \$1.10. Fig. 1.

D Handle Spade, \$1.00.

Long Handle Spade, \$1.25.

D Handle Nursery Spade. Double straps entire length of handle, \$1.75.

Ditching Spade. 20 in. blade, D handle, \$1.35.

"KEEN KUTTER" FORKS.

4-tined Hay and Manure. Long handle, 75c. Fig. 2. 3-tined, 6 ft. handle, 75c.

4-tined Manure. D handle, \$1.00; heavy, \$1.35. Fig. 3.

4-tined Spading Fork. D handle. 90c.

"KEEN KUTTER" HOES.

"Keen Kutter" Hoes. Fig. 4. Crucible steel, 7 and 8 in., 45c.; 1-pronged weed-ing hoe, 25c.; 2-pronged, 30c.; 3-pronged, 45c.; 5-pronged, 50c.



Fig. 1.



Fig. 2.

"Keen Kutter" Cultivator Hoes (Fig. 5), 75c.

"Keen Kutter" Pick (Fig. 9). Price, 75c.; with handle, \$1.00.

"Keen Kutter" Mattock. Price, \$1.00; with handle, \$1.25.

Grub Hoe, or Mattock. Price, 75c.; with handle, \$1.00.

Mattock and Pick Handles. Price, 25c.

Southern Queen, or Eye Holes. 40c.; with handle, 60c.

English Scuffle Hoe. 6 in., 60c.; 8 in., 70c. No handle.

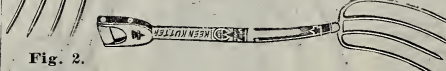


Fig. 3.

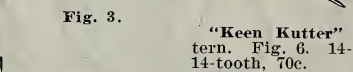


Fig. 4.



Fig. 9.

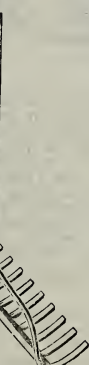


Fig. 5.

"Keen Kutter" Rakes. Bow pattern. tern. Fig. 6. 14-tooth, 75c. Regular 14-tooth, 70c.

Malleable Iron. 12-tooth, 25c.; 14-tooth, 30c.

"Queen" Lawn Rake. 24 teeth, 50c. 44 teeth, 75c.

"Ole Olsen" Lawn Rake. All wood, 50c.

Split Handle Hay Rake. All wood. 20-tooth rake, 35c.; 10-tooth, 25c.

"Keen Kutter" Ladies' and Children's Garden Tool Set (Fig. 8). Consisting of rake, shovel, hoe and spading fork. Made of first class material. Not toys, but tools that will do and stand the work.

Price, \$1.75. Single tools, 50c.

Potato Hook, or 4-pronged hoe. Price, 60c.

Turf or Lawn Edger. For edging walks. Price, 50c.

English Turf Edger. Price, \$1.25.

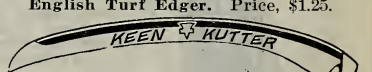


Fig. 10.

English Waldron Scythe. 30 in., \$1.20; 36 in., \$1.30; 38 in., \$1.40; 40 in., \$1.50.

Peace's Riveted Back Scythe. Imported. Very keen cutter. 36 in., \$1.20; 38 in., \$1.30; 40 in., \$1.40.

German Scythe. Hand tempered. Price, \$1.00.

"Keen Kutter" Scythes. (Fig. 10). Bramble, weed or grass. Price, \$1.00.

Snathes. Light and heavy. Price, 75c.

Whet Stones. Darby Creek, 10c.; English, 15c.; Carborundum, 25c.

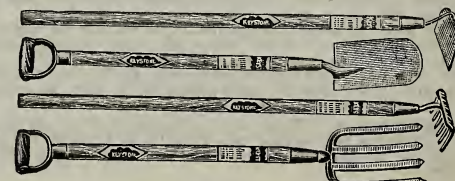


Fig. 8.

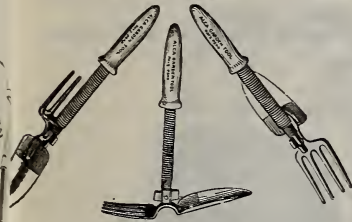


Fig. 11.

The "Alca" Garden Tool Combination. Can be used as a weeding fork, transplanting trowel, hoe, rake, or dibble. Is very handy around small garden. Price, 50c. Fig. 11.



Fig. 12.

"Keen Kutter" Garden Fork. (Fig. 12). All steel. 50c.; good steel fork, 25c.

"Dandelion" Spades. A practical weeder. Price, 25c.

Excelsior Weeder. Five teeth. Price, 10c.

"Eureka" Weeder. Three teeth. Price, 25c.

Dibbles, or Planting Pegs. Bent wood handle. 30c.

Cleveland Weed Puller. (Fig. 13). Valuable for extracting weeds from the lawn. A great back saver. The curved edge of the blade enters and loosens the soil; pressure on the lever then causes the toothed jaw to grasp the plant, and a slight pull will dislodge it without disturbing the surrounding sod. Price, 60c.

"Keen Kutter" Trowel. (Fig. 14). The best 50c.

The All-Steel One Piece Trowel. Price, 25c.



Fig. 14.

Transplanting Trowel. 6 in., 15c.; 8 in., 20c.

Hoe Trowel. For setting out plants. Price, 40c.

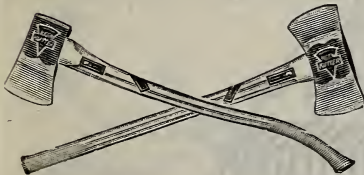
Bulb Trowel. Heart shaped. Price, 50c.



Watering Cans. Made of heavy galvanized iron, removable rose. 4 qt., 35c.; 6 qt., 45c.; 8 qt., 55c.; 10 qt., 60c.; 12 qt., 70c.; 16 qt., \$1.00. Long Spout Watering Cans made to order.

Keen Kutter Ax. Guaranteed article.. \$1.50. Others at \$1.25.

Hatchet. Beatty's Hatchets, Half Pattern and No. 2 Shingling, best quality. Each, 60c.



Mehler Scraper. Positively the best and handiest tool which has ever been offered to Poultry Keepers. 75c.

Mehler's Edger. (Fig. 19).. The most perfect tool for cleaning out and edging up the sides of cement walks. This is the only tool of its kind found so far to be practical. It is made of the best steel, is very sharp and can be resharpened readily when dull. Price, \$1.00 each.

Mehler Gardener. (Fig. 17). An entirely distinct tool; avoids bending the back, works closer to the plant than any other device. No hoe is needed where this is used; just the thing for working among flower and vegetable plants. 75c. each.



Fig. 19.



Fig. 13.



Fig. 17.

Mehler Hoe. (Fig. 18). Combination Hoe, cultivator and soil pulverizer combined. Just the thing for celery culture. 75c.



Fig. 18.

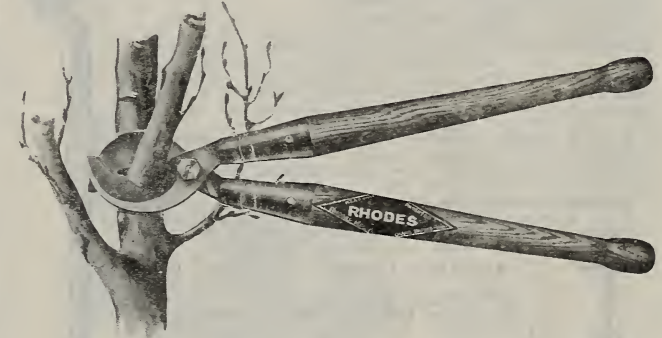


Fig. 1.

Rhodes Double-Cut Lopping Shears. (Fig. 1). For trimming trees, bushes, heavy shrubbery, etc. Makes an absolutely clean, perfect cut; the blades are concaved at the cutting edge, producing with the handles an enormous leverage. They are the easiest operating lopping shears ever made or sold; 24-in. handle. Price, \$2.50.

Keen Kutter Pruning Shears.

(Fig. 2). Curved blade and hook. Forged from highest grade crucible steel; polished and tempered; ratchet tightening knot; extra heavy and long steel ferrules; handles riveted through ferrules and tang; hardwood handles; natural finish. 20-inch handled, \$1.50; 24-inch handled, \$1.75.



Fig. 2.

"Keen Kutter" Tree Pruner. Select hardwood pole, natural finish; forged steel hook, painted red, riveted to handle; tempered crucible forged tool steel draw cutting blade $\frac{3}{4}$ in. long, insuring ample leverage; copper finish steel wire drawing rod; steel lever handle, painted red with hardwood grip; clip that handle works in bolted to pole; length of lever handle 11 in., 8 ft., 90c.; 10 ft., \$1.10; 12 ft., \$1.25.

Telegraph Tree Pruner. Without pole, \$1.00; saw attached, \$1.50.

Unique Hedge Trimmer. (Fig. 23). No experience is required to operate the "Unique" Hedge Trimmer. It is so simply constructed, so easily operated and so effective that a novice can do the work better and more easily with our trimmer than a professional with the old method of trimming with the hedge shears. Price, \$5.00 a pair.



Fig. 23.

Mr. Harry Busick, of Towson, Md., says: Gentlemen—I planted two bushels of Irish Cobbler Potatoes purchased from your house and am delighted to tell you that I harvested 30 bushels of fine large tubers out of the patch.

Solid Steel Imported Hedge Shears. The celebrated English shears. 10 in., with notch, \$2.00; 9 in., with notch, \$1.75; 8 in., with notch, \$1.50. All 25c. less without notch. The notch is very useful in heavy trimming or lopping.

Ladies' Solid Imported Hedge Shears. 5½ in. cut. \$1.25.
Lawn Shears. Two wheels, 8 in. blade, for cutting on narrow borders, under fences and shrubs. Price, \$2.75.
Border Shears. 10 in., \$2.50; without wheel, \$2.25.

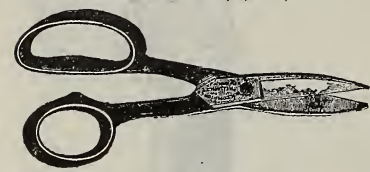


Fig. 19.

Flower Gathering Scissors. Large and perfect. Do not tire the hands. Price, \$1.00.

Grass and Sheep Shears. Full polished, imported shears, \$1.00; half-polished, excellent quality, 25c. and 50c.; fine for trimming grass.

Mule Shears. For trimming fetlocks. Price, 50c.

Pruning Knives. Horn handle, 75c.; wood handle, 65c.

Budding Knives. Ivory handle, \$1.25; bone handle, \$1.00.

"Keen Kutter" Pruning Saws. Adjustable. Price, 75c. and 90c.

Grafting Wax. ¼ lb., 10c.; ½ lb., 20c.; 1 lb., 35c.

Pocket Knife, combined pruning and budding, \$1

Townsend Grass and Weed Sickle. (Fig. 20). Light, Strong, Durable. The blade 13 inches long, 2¼ inches wide at the heel, is made of crucible steel, oil tempered and sharpened to a razor edge. The shank, made in two parts, of pressed steel, forms the socket for the handle, and the blade is riveted between these two parts, making a solid coupling which will not break or become loose. The handle is selected ash. A slight bend in the shank throws the handle, which is 3 feet 8 inches long, up at an angle which enables the user to stand almost erect when at work. Price, 75c.

M. & S. Sickle. Similar to the above, of equally as good material, but short handle. Price, 40c.

English Grass Hooks, or Sickles. Riveted back Price, 40c. and 45c. Solid blade, 30c.

German Grass Hooks or Sickles. Price, 25c.

Push Broom. For cleaning stables. Price, 50c.

Stable Brooms. Rattan, very strong. Price, 50c.

Buckets. Cedar wood, iron bound. Price, 60c.

Mole Traps. Crandel's "Lightning." (Fig. No. 21). Very effective. Price, \$1.50.

Out-of-Sight Trap. 75c.

Asparagus Buncher. The latest improved. Price, \$1.50.

Asparagus Knife. Which makes a fine weeder as well. Price, 30c.

Wire Fruit Pickers. To be adjusted to long pole. Price, 25c. each.

Kafia. For tying asparagus, and used extensively for tying roses, chrysanthemums or anything in the garden. Price, 20c. lb. Special price on quantity.

Picking Baskets. ½ bu. size, 15c. each. Per dozen, without handles, \$1.50; with bow handles, \$1.75; drop handles, \$2.00.

White Oak Baskets. Side handled, 1 bu., 60c.

Trace Chains. 7 ft., straight link, hook or ring. Price, 65c. per pair.

Cow Chains. 20 feet. Tying out, 75c. and \$1.00; stable ties, 25c.

Breast Chains. Double, 45c. pr.; single, 35c. pr.

Plow Lines. Cotton, 45c. per pair; sisal, 25c.

Iron Bound Hames. Price, 75c. per pair.

Hames Straps. Price, 20c. each.

Back Bands. Leather loop, 75c.; patent, 50c.

White Pine Sash. Made to hold either 24 or 28 8x10

panes. These sash are grooved so that the panes slide in and butt one against the other. Price of either size, 90c. each. Cypress, 85c.

Hotbed Glass. Box of 90 panes, 8x10, \$2.25.

Hotbed Mats. Strong burlap, interlined with wool. 40x76 size, covers one sash, \$1.00; 76x76, covers two, \$1.50. Special prices by dozen.

Twemlow's Old English Glazing Putty. (Semi-liquid). For bedding glass in sash and filling cracks or seams in roof joints or frames of hotbeds or greenhouses. Gal., \$1.40.

Putty Bolbs. For applying liquid putty. \$1.00. (Fig. 22).

Peerless Glazing Points. (Imp. Van Reyper). The finest glazing points on the market. Per box of 1000, 60c.; pincers, pair, 50c.

Plant Bed Cloth. A cheap substitute for glass, and will keep out many degrees of frost. Also useful for shading material. Samples mailed on application. Heavy grade, yard, 12c.



Fig. 22.

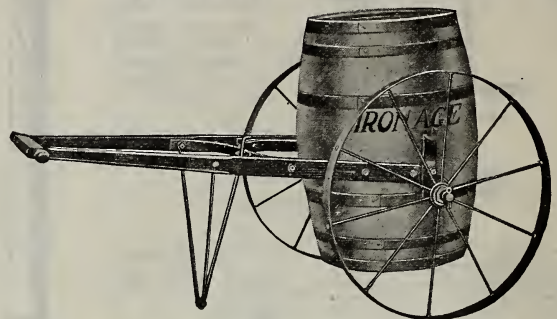
Fig. 20.

Regular Thermometer. Nicely finished. Price, 25c.

Self Regulating Hot House Thermometer. Best grade, \$3.25; second grade, \$2.25.

Hot Bed Thermometer. Price, \$1.25.

WATER TRUCK AND COMBINATION



Water Truck and Combination. (Fig. 1)

Fig. 1 represents our Barrel Cart, to which can be attached any Barrel Spray Pump. This is a convenient combination, and may be found useful in various ways, such as watering gardens, spraying fruit trees, etc.

Fig. 2 shows Truck with Leaf Rack Attachment.

Fig. 3 shows Truck and Box.

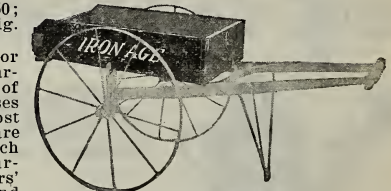
Box Inside Measure, width 22½ in.; length, 24 in.; height, 8½ in. Box has tail door.

Prices: Like Fig. 1, \$8.50; like Fig. 2, \$10.75; like Fig. 3, \$8.50.

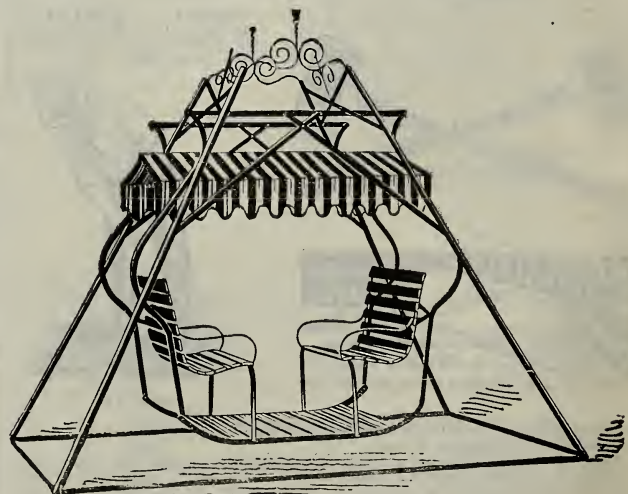
Baltimore Push Cart. For the merchant, printer, farmer, etc., to have one of these carts on his premises it will be found a most useful vehicle. There are so many purposes for which they can be employed—carrying bundles, printers' forms, farmers' tools and light implements, etc. It is never out of place, and always ready to pick up at short notice. Price, \$7.50.



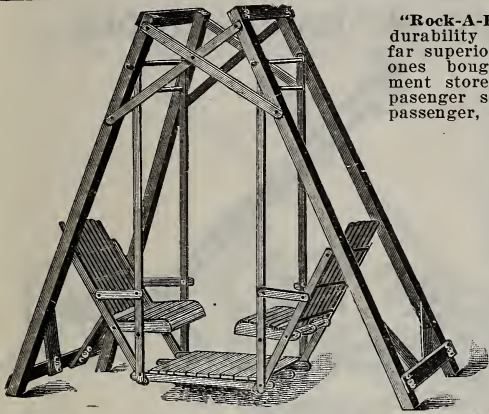
Leaf Rack. Fig. 2.



Box. Fig. 3.

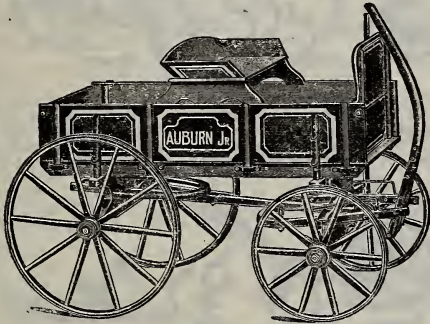


"Eagle Lawn Swing." This is an all-steel high swing, very strong and at the same time very neat. It has two large, roomy seats and will hold four passengers very comfortably. No jagged corners, no tilting motion; awning over seats. The best steel swing on the market. Price, \$12.50.



"Rock-A-Bye." Made for durability and wear. A far superior article to the ones bought in department stores. Price of 2-passenger swing, \$5.00; 4-passenger, \$6.50.

"Auburn Junior." A complete miniature wagon for children. Dimensions—Body, 17 in. wide, 36 in. long, 6 in. deep; wheels, 14 in. front, 20 in. rear. Body removable, sides detachable. Equipped with pole and shafts. Can be used for single or double teams or pulled by hand. Painted, body green, gears red. Weighs, complete in crate ready for shipment, 65 lbs. Just the trick for children. Price, \$8.00.



Auburn Junior.

RUBBER HOSE, REELS, MENDERS, Etc.

The hose we offer is the best. It is all guaranteed not to break.
 3/4 inch Motor. 5 ply 25 feet, \$2.50; 50 feet, \$4.50; Black Hose.
 3/4 inch Royal. 5 ply Red Hose, 25 feet, \$3.00; 50 feet, \$5.50.
 3/4 inch Reno. 4 ply Black Hose; a piece of hose which will last several seasons. 25 feet, \$3.50; 50 feet, \$6.50.

Norwood. Continuous hose. We can furnish any length of this hose desired up to 500 feet lengths; as good as any hose at 15c. per foot, including couplings, in 25 foot lengths or over.

Hose Couplings. Brass, regular size, 15c. per pair.

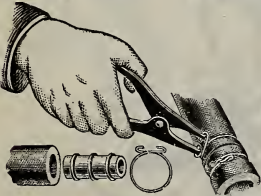
Hose Washers. Rubber, regular size, 10c. per doz.

Hose Nozzles. Combination, solid stream and spray, 40c. each.

Chicago Green House and Lawn Shower Sprayer. Imitates rain to perfection; \$2.50 each.

Hose Reels. Wood, \$1.00; steel, \$2.00.

"Hudson" Garden-Hose Mender. For 3/4-inch hose. Specially adapted for family use. Hose can be mended or coupled securely and quickly. So simple that a child can use it. Price, complete with pliers, including six menders, 60c. Single menders, 10c., 3 for 25c. Pliers, 25c.



REGAL.

This machine is made by the Coldwell factory and has been thoroughly tried out by us the past three years. We are glad to say that it has made good in every way.

Prices—14 in. cut, \$9.00; 16 in., \$10.00; 18 in., \$11.00; 20 in., \$12.00.

Canvas Grass Catcher. No. 1, 85c., for 12 to 16 in. mowers. No. 2, \$1.00, for 16 to 20 in. mowers.

Wire Grass Catcher. Fit any hand mower, \$1.

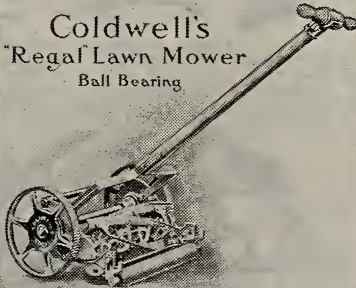
Horse Lawn Boots. Price per set of four, \$9.

No. 2, 5 1/4 inches inside; No. 4, 6 1/2 inches inside; No. 6, 7 inches inside.

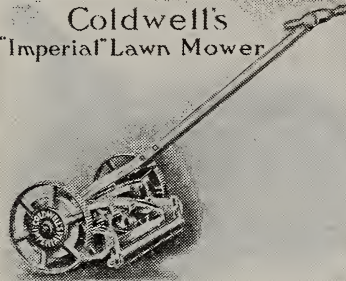
Oil Cans, filled with oil, 15c. each.

Coldwell's "Regal" Lawn Mower

Ball Bearing



Coldwell's "Imperial" Lawn Mower



COLONIAL MOWER.

A grand little machine that runs so easy that it can be operated by a lady or child. The four revolving cutter blades are made of the finest material.

Prices—12-in. cut, \$4.25; 14-in., \$4.75; 16-in., \$5.00.

The "Baby Grand" Mower. A perfect little lawn mower of fine quality; excellent for cutting borders and handy for children and ladies. Price, 6-in. cut, \$4.00.

The "Colonial" Lawn Mower

Ball Bearing



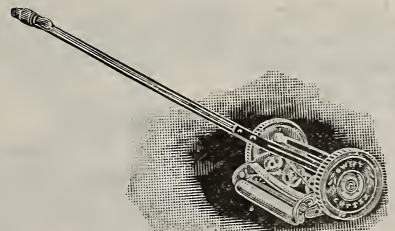
Style "D." This mower is highly recommended and is used by leading country and golf clubs and in the city parks and cemeteries. Catalogues and prices will be furnished on application. Special price, \$1,300.00.

Coldwell's "Demountable Cutter Unit" Putting Green Mower. In this mower every requirement pertaining to the cutting of putting and bowling greens has been considered and provided for. Each machine is provided with two complete cutting parts, one to be in use while the other is being sharpened. Removed or attached in a moment.

Price, 18-in. cut, \$30.00.

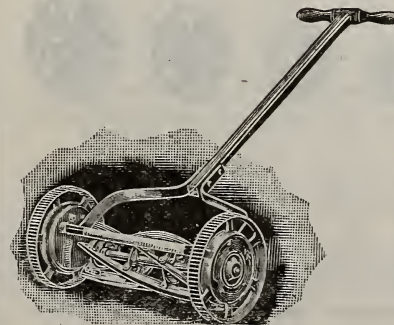
Swift Cutter. For the benefit of those who want a low-priced mower, and for those who have but little grass to cut, we offer the best cheap mower made. While the prices are as low as "department store" prices, this mower will be found much better in quality of knives and quality of work performed. Coldwell made.

Prices—10 in. cut, \$2; 12 in., \$2.25; 14 in., \$2.75; 16 in., \$3.25.



Swift Cutter.

Coldwell's Rajah is a strictly high grade ball-bearing Lawn Mower. It is made of first-class material throughout and the workmanship and finish are unsurpassed. It has large driving wheels and fine cut gears, thus insuring ease and quietness of running. The large diameter revolving cutter which is furnished with five blades makes it an exceptionally high class Lawn Mower and one that cuts fine and even. Prices—14-in., \$8.50; 16 in., \$9.50; 18-in., \$10.50.



Lawn Mowers continued on next page.

Mr. Deibel, Farm Manager for the St. Vincent Male Orphan Asylum, says: Gentlemen—The Volga Cabbage Seed that you furnished produced the finest and largest heads of cabbage that I ever saw.

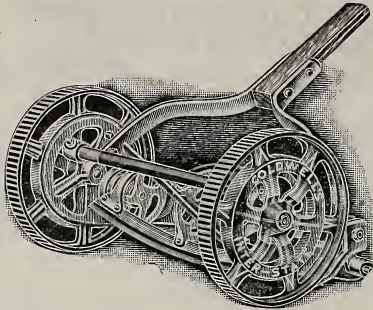
COLDWELL'S "INTER-STATE" LAWN MOWER.

Ball Bearing.
First class, high wheel, ball-bearing lawn mower at a popular price. The four revolving knives give a continuous cut. Made of best materials, easy running, and fully warranted.

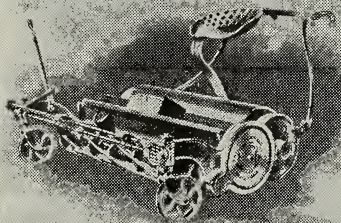
Prices—14-in. cut, \$6.00; 16-in., \$7.00; 18-in., \$7.50; 20-in., \$8.00.

Pennsylvania High Wheel Mower. This high grade Mower is constructed for cutting ordinary grass, as well as grass from 6 to 10 inches high. Wheel,

10½ inches; cylinder, 6½ inches. Four crucible steel knives. 15 in., \$12.50; 17 in., \$14.00; 19 in., \$15.50; 21 in., \$17.00.



Coldwell's Interstate.

Coldwell's "Improved" Horse Lawn Mower

This well-known standard mower has side draft attachment that enables the horse to walk on the cut grass only, and castor rollers which will not mark the lawn. Evenness of cut is assured by an adjustment which raises or lowers the two sides at the same time by means of a simple lever movement. This same lever serves the purpose of raising the knives from the ground when driving over the gravel walks or roads.

Prices—25-in. cut (no shafts), \$35.00; 30-in. cut (complete), with seat and shaft, \$60.00.

Coldwell Demountable Cutter Unit Horse Lawn Mower. Like the above, but has two revolving cutters, which can be replaced very quickly. 30-inch machine, \$100.00.

The "Clipper" Mower. There are three things that tend to destroy your lawns—dandelions, buck plantains and crab grass. In one season the Clipper will drive them all out. No. 1, 12 in. cut, \$6.75; No. 2, 15-in. cut, \$7.50; No. 3, 18-in. cut, \$8.50; No. 4, 24-in. cut, \$9.50.

Pony Mower, 24-in. cut, \$20.00.

Lawn Mower Sharpening. This work is done for us by a competent mechanic, and we can insure entire satisfaction.

Keystone Roller Bearing Lawn Rollers.

To raise a velvety, thick lawn and keep it so the lawn roller is a great aid. In the Spring, after a season of freezing and thawing, the ground becomes uneven and porous, and receding from the grass roots. If allowed to settle of its own accord the lawn is left rough and the grass liable to die off in high spots. If pressed back firmly and evenly with a lawn roller the chances for a new, velvety lawn are more favorable.

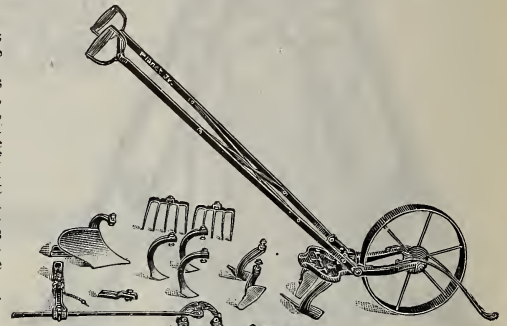
No. 501, diam. 15 in., 2 sec., weight 150 lbs., length, 15 ins., \$7.00;
No. 504, diam. 20 in., 2 sec., weight 250 lbs., length 20 in., \$10.00;
No. 507, diam. 20 in., 2 sec., weight 300 lbs.; length 24 in., \$14.50;
No. 509, diam. 24 in., 2 sec., weight 400 lbs., length 20 in., \$19.00.

Lawn Padders. Very useful in padding down seed, where a roller cannot be used. Two strong boards, 9¼ in. by 20 in., arranged each with a rope attached to the feet. Price, complete, \$1.00 per pair.

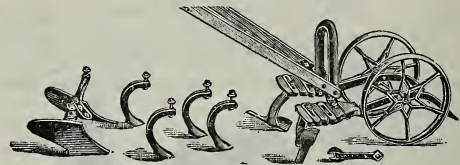
Horse Lawn and Field Rollers and Other Size Hand Rollers. Prices furnished upon application.

"PLANET JR." GARDEN TOOLS.**No. 30. Planet Jr. Wheel Hoe (as illustrated.)**

This tool has a 15-inch wheel, and the wheel, the frame and the handles are all made of steel, so the tool is at once light and strong and most indestructible. It is the best Single-Wheel Hoe made and has the fullest equipment. Price, \$8.00.



Planet, Jr., Single Wheel Hoe.



Planet, Jr., Double Wheel Hoe.

No. 12. "Planet, Jr., Double Wheel Hoe. As illustrated, with one pair 6-inch hoes, four-cultivator teeth, two plows, two leaf lifters, \$7.00.

No. 11. "Planet, Jr." As the above, but in addition has one pair 4½-inch hoes, two 3-tooth rakes, two 5-tooth rakes. Price, \$9.00.

No. 13. "Planet Jr." Only equipped with one pair 6-inch hoes. Price, \$4.75.



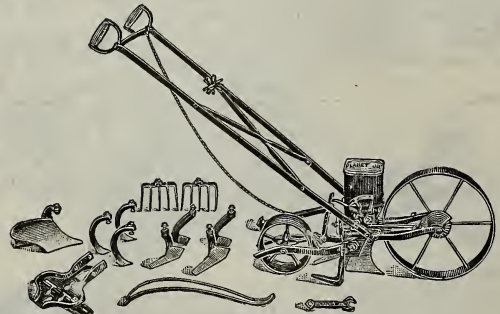
Single Wheel Hoe.

No. 17. "Planet, Jr." As illustrated, with one pair 6-inch hoes, three cultivator teeth, one large garden plow. \$5.00.

No. 16. "Planet, Jr." Same as No. 17, but has also one 5-tooth rake, one 3-tooth and a leaf guard. Price, \$5.85.

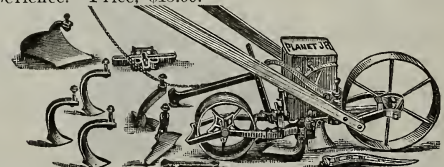
No. 17½. "Planet Jr." Same as No. 17, but has no plow, but in addition has a leaf lifter. Price, \$4.50.

No. 18. "Planet, Jr." Only equipped with one pair 6-in. hoes. Price, \$3.50.



Planet Jr. Seeder and Wheel Hoe.

No. 28. "Planet Jr." Seeder and Wheel Hoe, as illustrated. This is our latest and best Combined Hill and Drill Seeder and Single Wheel Hoe. It shows in its construction the results of the last three years' close study of this class of tools, and is the culmination of forty years' experience. Price, \$15.00.



No. 4. "Planet, Jr." Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow, as illustrated. Steel driving wheel. Weight

Miss Elsie Varley, Garden Superintendent of the Women's Civic League, quotes: Gentlemen—All the Vegetable and Flower Seeds, as well as Plants, which we secured from you, have proven very satisfactory and have helped us greatly in our work.

complete. 53 pounds. Holds 2½ quarts Equipment one pair of 4½-inch hoes, three cultivator teeth, one garden plow, one leaf guard. Price, as a Seeder only, \$9.00; complete, \$11.00.



No. 25. "Planet Jr." Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator and Plow. Holds 2½ quarts. Weight, complete, 59 lbs. It combines in a most practical way the "Planet Jr." No. 4 Drill and No. 12 Double Wheel Hoe.

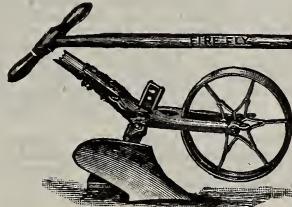
Equipment: One pair of 6-in. hoes, two pairs of cultivator teeth, two plows, two leaf guards. Price, \$13.50.

Grass and Clover Seed Sower.

Hand Seed Sower. Valuable for sowing vegetable, flower and lawn seed. Will distribute seed evenly. Adjustable. Price, 25c.
Cahoon Seeder. For sowing clover, grass and other seeds. Price, \$3.00.

Wheelbarrow Seeder. 14 ft., \$6.50; 16 ft., \$6.75; double hopper, 14 ft., \$8.50.

"Planet, Jr." "Firefly" Garden Plow. Very useful for small gardens. Will throw a furrow 4 to 6 inches wide and 1 to 3 inches deep, and deeper by going twice. Furrows for manure or seed can be opened and covered. Chicken raisers find it of great advantage in plowing up the scratching yards. Price, \$2.35.



No. 19 C. Iron Age Single Wheel Cultivator and Plow. A good investment for any gardener, whether he is an amateur, an old-time home gardener or a market gardener; but is especially recommended to the man who has never tried any and wants a low price tool to begin with. Price, complete, \$3.50.



The "Monogram" Garden Cultivator. Good light tool for ladies or children; equipped with plow, hoe, rake, cultivator and furrower. Price, complete, \$1.50.

Send your Lawn Mowers in to us to be sharpened. We have a skilled mechanic who does this.

THE NORCROSS GARDEN CULTIVATOR HOES AND WEEDERS.

The "Norcross" 5-prong is the only Cultivator-Hoe with detachable ferrule, whereby 4 ft. handle will detach and by means of "Norcross" Universal Connection at a cost of 10c. extra, Cultivator may be attached to the standard types of Wheel Plows.

The common hoe is out of date, The "Norcross" Line has fixed its fate; For loosening ground and killing weeds, The "Norcross" Line is all one needs.

Just note the man above and trace The satisfaction on his face; No aching back, no weary feet, He has the "Norcross" Line complete.

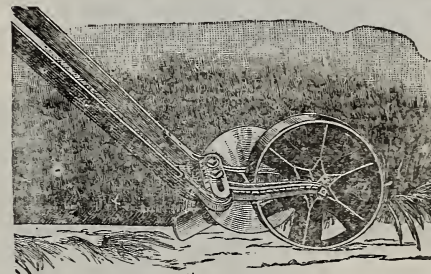
Planet Jr. Grass Edger. Price, \$6.25. Extreme Neatness is the great secret of attractiveness in grounds surrounding a house. The



The "Norcross" Line—3-prong Midget Weeder, wt. 12 oz., 9-in. handle, 25c. 3-prong Cultivator Hoe, wt. 2 lbs., 4 ft. handle, 50c.; 5-prong Cultivator Hoe, wt. 3 lbs., 4 ft. handle, 75c.

Planet Jr. Grass Edger assists wonderfully in producing this effect. It will edge either straight or curved work, paths, drives, open borders or flower beds, doing the work well and rapidly when ground is in order, as after rain. \$6.25.

Strawberry growers find the grass edger disc attachment a rapid and excellent tool also for cutting off surplus runners. Goes on all hand tools. Price, \$1.35.



Single, Double and Triple Trees. Made of White Oak, painted. 28-in. single tree, 40c.; 30-in., 50c.; 32-in., 60c.; 34-in. double tree, 75c.; 36-in., 90c.; triple trees, \$1.50 each; open links, 10c. each.

5-tooth Plain Cultivator.....\$2.50
14-tooth Harrow and Cultivator..... 3.00
"Malta" Double Shovel Plow..... 2.50
"Malta" Single Shovel Plow..... 2.25
Triple Shovel Plow..... 3.00

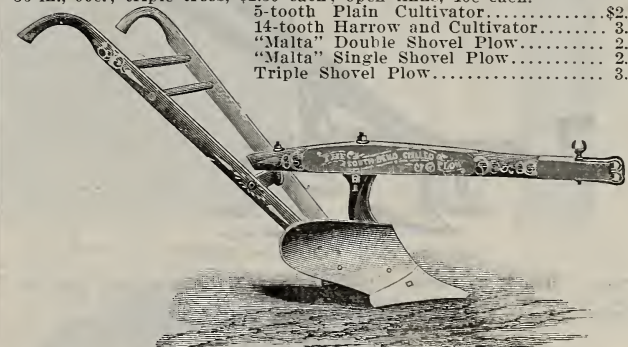


Fig. 1.

South Bend Chilled Plows. We can furnish these plows in any size and style. Wood or steel beam. Right or left hand. We are listing here a few of the most popular sizes:

No. 1BX, 1 horse, right, wooden beam.....\$6.00

(No 1BX right hand only. Fig. 1.)

No. 3X, Light, 2 horse, wooden beam..... 10.00

No. 4X, Med. 2 horse, wooden beam..... 10.50

No. 10X, Reg. 2 horse, wooden beam..... 11.00

Prices on plows are plain. Wheels, \$1.00; jointers, \$2.00; shoe rolling coulters, \$4.00.

We can also furnish the "Oliver" and "Syracuse" and other leading Plows and the Repairs. Prices will be furnished on application.

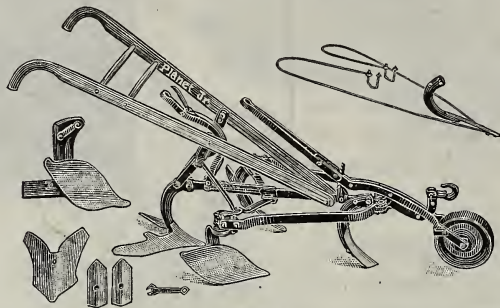
Planet Jr. Riding Cultivator Teeth. 1¼x10 in., 13c.; 1½x10 in., 14c.; 2¼x10 in., 17c.; 3x10 in., 19c.; 4x10 in., 22c.

Cultivator Repairs, Teeth, etc. 1¼x8 in., 6c.; 2x8 in., 7c.; 3x8 in., 8c.; 4x8 in., 10c.; Oval or Jersey, 8c.; frame and teeth bolts, 3c.; horse hoe steels, R. & L., each, 20c.; turn shovels, R. & L., each, 15c.; hind shovels, 7 in., 20c.; hand wheel cultivator clamps, 30c.; set screw cultivator clamps, 25c.; sweeps—8-in., 20c.; 10-in., 25c.; 12-in., 30c.; 15-in., 35c.; 18-in., 40c.; handles complete, 75c.

Mr. R. J. Williams, Brooklyn, Anne Arundel County, Md., says: Gentlemen—Your I. X. L. Tomato Seed certainly turned out beautiful tomatoes for me, and extremely early.

No. 4 "Planet Jr." Horse Hoe and Cultivator. This tool is low in price, strong and simple. The modern cultivator for either garden or field use, for furrowing, covering and cultivating, being adjustable to these several purposes. Furnished with or without the wheel. Price, with wheel, \$6.75; without wheel, \$6.00.

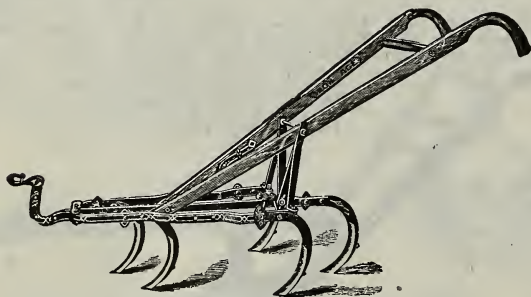
No. 9. "Planet Jr." Horse Hoe and Cultivator. Identical with the above, but has lever expander. Price with wheel, \$7.75; without wheel, \$7.00.



No. 10.

No. 10. The Great New Planet Jr. Combination Farm & Garden Horse Hoe, Cultivator, Furrower, Plow and Vine Turner. Price, complete, as in cut, \$13.00. Packed weight, 103 lbs. Less vine turner, \$11.75; packed weight, 99 lbs. Less vine turner and plow, \$8.00; packed weight, 72 lbs. With cultivator teeth, sweep and wheel only, \$6.75; packed weight, 63 lbs. With cultivator teeth and sweep, without wheel, \$5.25; packed weight, 52 lbs. Equipment—Three 3x8-inch cultivator teeth, one pair 6-inch hillers, one plow attachment, one 15-inch fingered sweep, one 10-inch furrower, 1 vine turner, lever expander and lever wheel.

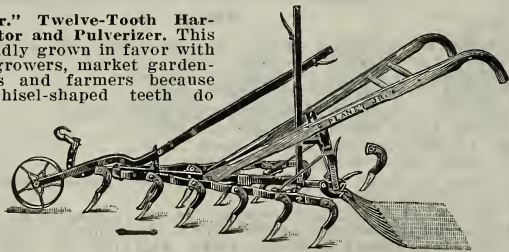
This new combination Planet Jr. tool is the latest and best of all Planet Jr. products of its class. It is the result of fifty years of close acquaintance with gardening and farming, and almost forty years of Planet Jr. manufacturing. This wide, double experience guarantees not only that the construction and combination are the very best known to the manufacturer, but also that the tool and the variety of work that it will perform are just what will have the most labor to the farmer.



5-tooth Plain Cultivator, \$2.50.

No. 4. "Planet Jr." Plain 5-Tooth Cultivator. This popular tool has been much stiffened and improved by new patent braces and expanders. Price, with wheel, \$5.25; without wheel, \$4.50.

"Planet Jr." Twelve-Tooth Harrow, Cultivator and Pulverizer. This tool has rapidly grown in favor with strawberry growers, market gardeners, truckers and farmers because the twelve chisel-shaped teeth do



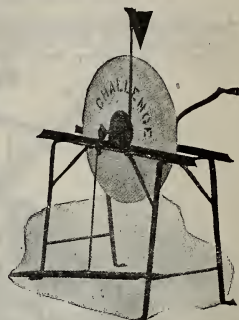
such thorough work, and because the tool is so convenient, durable, strong and complete. This tool expands to 32 inches and contracts to 12 inches. Price, complete as is illustrated, \$9.00; less pulverizer, \$7.65; less pulverizer and wheel, \$6.20. Plain, without lever expander, \$5.00.

14-tooth Plain Harrow and Cultivator, \$3.

"Challenge" Grindstone. Steel frame; Japan and red paint finish; most rigid single treadle frame made; carefully selected Berea or Huron grit stones; 1½ to 2¼ inches thick; ball bearing throughout; single pedal and hand crank; steel axles accurately centered. Price, \$1.00.



"Victor" Cycle Grindstone. A strong and most rigid tubular frame. Built on up-to-date mechanical principles. Stone guaranteed best quality Berea Grit for general work. Regular size stone, 19 to 22 inches, 2 to 2½ inches thick. Shipped knocked down. Well crated with stone protected. Shipping weight, 90 pounds. Finish, red and black enamel. Price, \$5.00.



Johnston Harvesting Machines.—When you buy Farm Machinery with which to equip your farm—machines and implements that will save time and labor, better prepare your soil, better harvest your crops—you look for the Quality and Efficiency of the machines you want. You are assured of Johnston Quality. Since 1871 harvesting machinery has been manufactured bearing the name of Johnston.

Send for illustrated catalogue; ask for special prices; state kind of machine desired, whether Mower, Rake, Harrow, Binder, etc.



DAIRY and MISCELLANEOUS SUPPLIES.

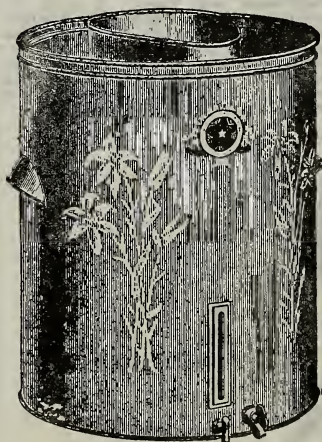
"Star" Cooler Cream Separator (Fig. 1). Two cans, one inside of the other. The inner can is for milk and the outer can for water. Great labor saver. The outer cans are painted and decorated.

No. 000,	14 qts.	\$3.50
No. 00,	20 qts.	4.00
No. 01,	25 qts.	4.50
No. 01½,	35 qts.	5.00
No. 02,	45 qts.	6.25
No. 03,	65 qts.	7.50

"Star" Gravity Cream Separator. Like the above, but only one can. Made of the very best XXXX tin. The milk is mixed with equal quantity of water. Get cream in two or three hours. Not painted.

No. 0,	24 qts.	\$3.00
No. 1,	48 qts.	3.75
No. 2,	88 qts.	4.50
No. 3,	118 qts.	5.50

Prices on Milk Cans, Pails and other Dairy Supplies on application.



No. 1. Reid's Butter Worker. This machine acts on the butter on precisely the same principle as a ladle in the hands of a person, but with perfect uniformity and without injuring the grain. Made of the best material; iron parts galvanized, preventing rust.

No. 1—50 lbs.	\$8.00
No. 2—30 lbs.	6.40
No. 3—20 lbs.	5.60
No. 4—10 lbs.	4.80

Butter Boxes. These boxes are iron bound at the edges and capped at the corners. An ice box is fitted in the center, which can be removed at will and the space utilized.



Mr. John Vogt, Fullerton, Md., writes: Gentlemen—Chalk's Early Jewel and B. B. Tomato made the handsomest crop of Tomatoes for me that I have ever seen.

DAIRY AND MISCELLANEOUS SUPPLIES—Continued

36 1/2-lb. prints.....	\$4.50	20-lbs. prints.....	\$3.75
64 1/2-lb. ".....	5.25	30-lbs. ".....	4.25
80 1/2-lb. ".....	5.50	40-lbs. ".....	4.75
100 1/2-lb. ".....	6.00	56-lbs. ".....	5.00
120 1/2-lb. ".....	6.50	80-lbs. ".....	5.50
140 1/2-lb. ".....	7.00	96-lbs. ".....	6.00

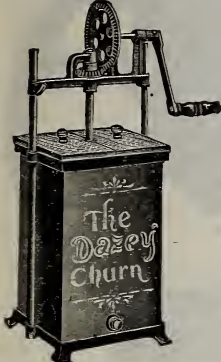


Fig. 3.

Dazey Glass Family Churn. (Fig. 2) Easy running, easy to clean, produces the finest butter that can be made. No. 30 G, churning 1 1/2 qt., \$2.50 No. 40 G, 2 1/2 qt., \$3.00.

Dazey Dairy Size. Tin can instead of glass, like the above. No. 1 D. Z., churning from one to four gallons, \$8.00; No. 2 D. Z., churning from one quart to two gallons, \$4.25. (Fig. 3).

Improved Cedar Cylinder Churn.
No. 1, 2 1/2 gal....\$2.25
No. 2, 4 gal.... 2.75
No. 3, 7 gal.... 3.25
No. 4 10 1/2 gal.... 3.75

Brick Butter Mold.
Seeley Pattern.
Furnished with sheaf of wheat. Movable block. 1/2 lb., 60c.; 1-lb., 75c.



Fig. 2.

Philadelphia Butter Printer. (Fig. 4). 1 lb., \$1.50; 1/2 lb., \$1.00. Initial or special monogram, \$1.50 extra.

Butter Printers. 1/2 lb. size, round or square, 25c. each.

Lafayette Butter Printer and Table. Either pound or half-pound size, with table, \$15.00; without table, \$10.00. Initial or monogram, \$1.50 extra.

Parchment Butter Paper. Cut for pound and half-pound prints. Price, 20c. lb. Special price on quantities.

Floating Dairy Thermometer. Price, 25c.

Wells, Richardson & Co.'s Butter Color. The best butter color on the market. Small bottle colors 500 lbs., 25c.; large bottle, 50c. and \$1.00.

Fig. 4.

Rice's Calf Weaner. Very effective for weaning calves and preventing cows sucking themselves. No. 1, for calves, 30c.; by mail, 35c. No. 2, for heifers, 50c.; by mail, 56c. No. 3, for cows, 75c.; by mail, 85c.

Cooler Colt, Calf and Cow Weaner and Cow Muzzle. The only successful weaner in the world. Over 100,000 now in use. The animal this weaner is put on can positively not suck, but at the same time it is no inconvenience to it to feed. No. 1, 35c.; No. 2, 50c.; No. 3, 75c., postpaid.

Bull Rings. Gun metal, \$1.25; copper, 25c. Different sizes.

"NO FLIES HERE."

A liquid designed to protect cows, oxen, horses, mules and all live stock from flies and other insects, and to drive and keep them off.

1 gallon.....\$1.50
1/2 gallon..... .85
1 quart..... .50

Plain Sprayer. For applying "No-Flies Here," 40c. each.

Continuous Sprayer. A great improvement over the plain sprayer. Tin, 75c.; Brass, \$1.00.

Bitter Lick. For horses and cattle of all kind. Price of brick, 25c.; doz., \$2.50.

Holders made of iron and japanned black.

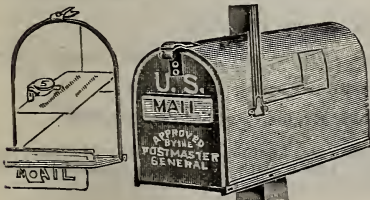
Cream Separator Oil. 25c. qt.; 40c. 2 qts.; 75c. gal.

Harvesting Machine Oil. 75c. gal.

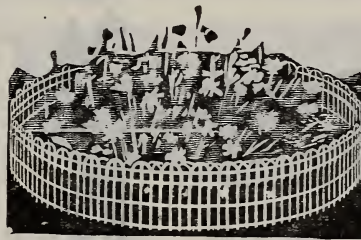
Gasoline Engine. 60c. gal.

Axle Grease. 10c. Oil. 25c., \$1.00 cans.

RURAL MAIL BOXES.



22 Gauge Galvanized Steel, without Inner Galvanized Box: Box has a Letter and Coin Holder for Mailing Letters when not supplied with stamps; Reinforced Rolled Ends; Drop in End of Box for Depositing Mail without Unlocking; Red Signal raised by Mail Carrier to show that he has deposited mail in the Box. Price, 75c.



Norwood Flower Bed Guard.

Norwood Flower Bed and Lawn Guard. For flower beds, lawns and grave lots. Self-supplying, no posts required. (See Illustration). The projecting pickets are to be inserted in the ground and the ends of fabric connected.

Uprights No. 9 and cables No. 13 galvanized wire, 24 in. high, 10c. per foot. 18 in. high, 8c. per ft. 12 in. high, 7c. per ft. These sizes are clear above ground when put up; 4 1/2 inches in ground not included.

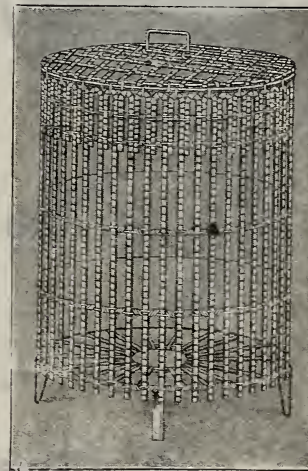
Single 3 ft. Walk Gates, 24 to 48 in. high.....Price, \$2.50
Single 4 ft. Walk Gates, 24 to 48 in. high.....Price, 3.00

Style No. 100, Ornamental Lawn Fence, 3 ft. high.....Price, 10c. ft.
Style No. 100, Ornamental Lawn Fence, 4 ft. high.....Price, 12c. ft.

Special Circular on Gates and Lawn Fences mailed upon application.
Norwood Trellis Wire. Fills a long-felt want for an ornamental wire on porches, for climbing plants. Made of heavy galvanized wire; is very durable, and can be used from year to year. 24 in. wide, 8c. per foot; 18 in. wide, 6c. per foot.



Trellis Wire.

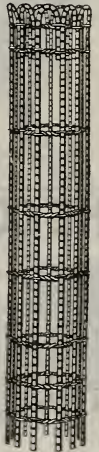


Rubbish Consumer.

Rubbish Consumers. Made of heavy galvanized wire, an indispensable arrangement for burning rubbish, paper, leaves, etc., without out-dangering property. Will last a lifetime.

No. Diam. High Price
1, 20 in. x 30 in., \$2.50
2, 17 in. x 25 in., 1.75
3, 14 in. x 21 in., 1.50
4, 12 in. x 18 in., 1.25

Wire Tree Guard. Carefully galvanized, thoroughly made, 8 inches diameter, \$1.25 each; per doz., \$13.50.



Tree Guard.



No. 3 Garden Wheelbarrow.

No. 3 Wheelbarrows, for Garden and Farm Use. A durable, neat garden barrow. Size of body, 26 inches long, 19 inches wide in front, 22 inches wide at back. Sideboards, 27 inches long, 12 inches high. Handles, 4 ft. 9 in. long, 2 x 1 1/2 inches. Wheel, 20 inches diameter; 6 spokes, \$3.50.

No. 2 Garden and Farm Barrow. Little larger than No. 3. Price, \$3.75.

No. 1 Farm Barrow. Still larger than No. 2. Price, \$4.50.

All-Wood Canal Barrow. Side dump. Price, \$2.00.

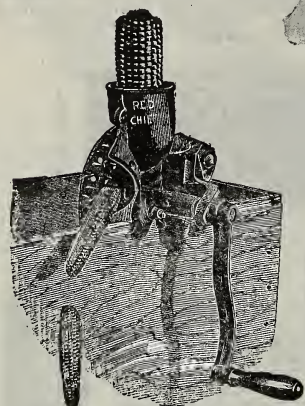
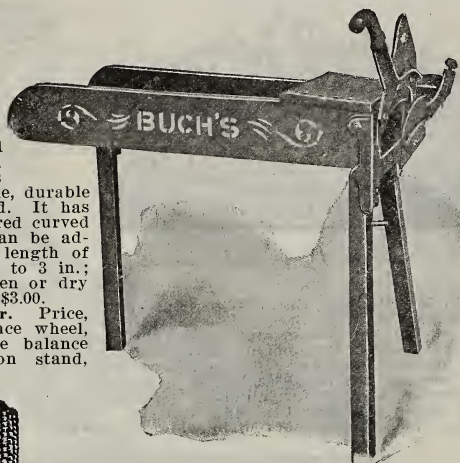
Iron Tray Wood Frame Barrow. Price, \$4.50.

Messrs. A. Spath, Jr., & Son, Florists, Roland Park, Md., tell us that our Roland Park Lawn Grass is the best lawn grass they ever used. They wished they had bought when we first offered it to them.

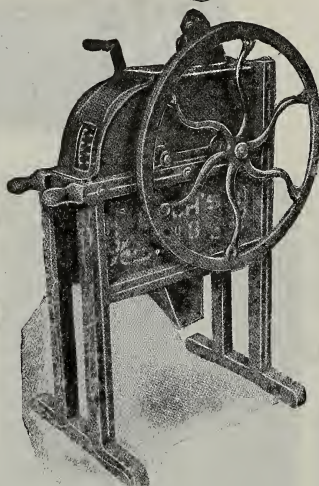
POULTRY SUPPLIES

Buch's Hand Lever Feed Cutter. This Cutter is simple, durable and low priced. It has a 11 in. tempered curved knife, which can be adjusted to any length of cut desired up to 3 in.; cuts either green or dry fodder. Price, \$3.00.

Clover Cutter. Price, with the balance wheel, \$8.00; with the balance wheel and iron stand, \$10.00.

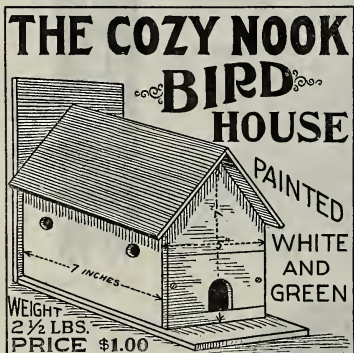


"Red Chief" Corn Sheller. Strong and durable. Price, \$1.75.



Weather Vane, Model B, 18 in. high, \$1.00.

Weather Vane, Model B, 18 in. larger than above, with roof attachment, \$4.00.



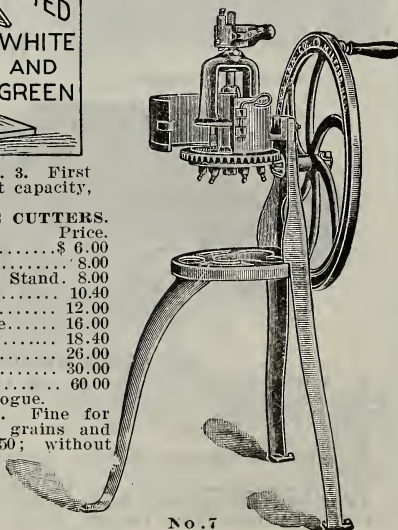
THE COZY NOOK BIRD HOUSE
PAINTED WHITE AND GREEN
WEIGHT 2½ LBS.
PRICE \$1.00

Buch Corn Sheller No. 3. First class machine with great capacity, easy to operate. \$7.00.

MANN'S GREEN BONE CUTTERS.

No.	Price.
5C, with Crank Handle.....	\$ 6.00
5B, with Balance Wheel.....	8.00
5B, with Balance Wheel Stand.	8.00
Stand	10.40
7, with Balance Wheel.....	12.00
7½, Semi-power Machine.....	16.00
9, Standard Bone Cutter.....	18.40
11, Comb. Power Cutter.....	26.00
12, Small Power Cutter.....	30.00
15, Large Power Cutter.....	60.00

Send for Special Catalogue.
Mountville Bone Mill. Fine for grinding cooked bone, grains and shell. On stand, \$5.50; without stand, \$4.50.



No. 7

No. 10

"RED CHIEF"

GRINDING MILL.

This Mill has greater capacity than the No. 1 Mill, and makes an excellent Coffee and Spice Mill for grocers' or family use, as well as being a very rapid grinder of Chicken Feed or Meal.

Weight 35 Pounds.
Capacity, 2 to 4 Bushels per Hour.

The Extension Crank enables a child to grind with ease the toughest grain.

No. 10, with Stand like cut, \$5.00.
Without Stand \$4.00.

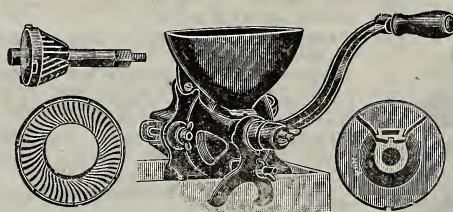
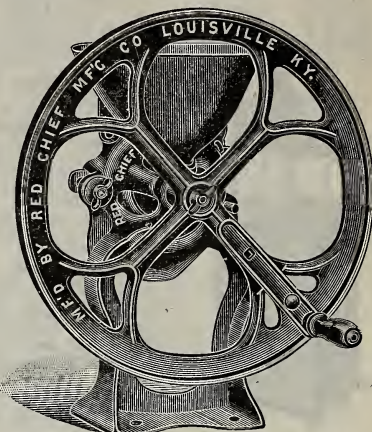
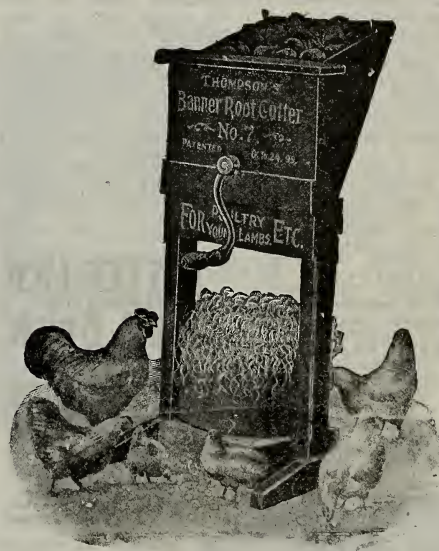


Fig. 1.

"Red Chief" Grinding Mill. For cracking corn, wheat and other grain. Price, \$3.00.



Berry or Grape Presses

No. 1 capacity, 1 peck \$3.75;
No. 2 capacity, 2 pecks \$4.50;
No. 3 capacity, 4 pecks, \$7.00.

Cider Mills

Junior, capacity 2 to 4 bbls. per day, \$12.50;
Medium, capacity, 6 to 8 bbls. per day, \$17.50;
Senior, capacity 6 to 12 bbls. per day, \$25.00.

BANNER ROOT CUTTERS.

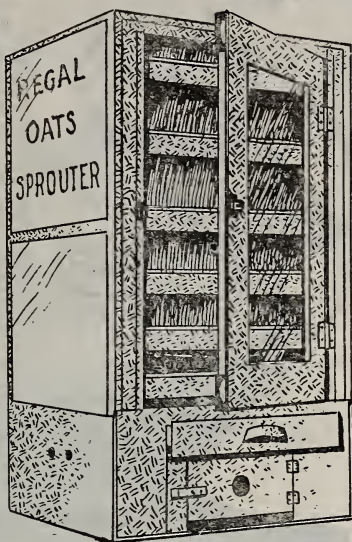
Two Practical Machines for Cutting and Preparing Roots, Vegetables for Feeding Poultry and Cattle

No. 7, Like Illustration, Exclusively for Poultry, \$5.00.

No. 28. Capacity of hopper, 2½ bushels. For Sheep, Lambs and Fowls. Hand or Power use. Price, with Crank for Hand Use only, \$15.00. Price, complete for Power or Hand Use, \$16.00.

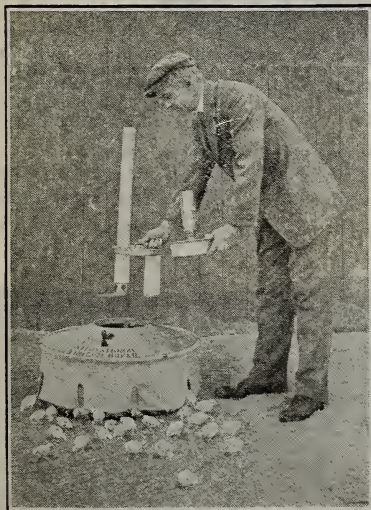
"Regal" Oats Sprouter. Dry mash before your fowls and a liberal supply of fresh succulent green food will not only make hens lay, but will act as a tonic and stimulative influence on the digestive organs. Eggs in the winter months are worth money—then why not supply your fowls with a liberal supply of green food? The value of this machine can only be appreciated after you have tested it out. No wood is used in its construction, to warp and fall to pieces after a few days' use. Made from the best grade of Galv. Steel. Double walled with heat flues running the full length inside. Every drop of moisture and drip goes direct into drip pan. This is one of our special features. Another important feature is the taking in of warm, fresh air not supplied by other makes. If directions are followed, there will be no moulding or souring of grain.

Heat, an abundance of moisture or vapor in connection with a liberal supply of fresh air are the essential features required to sprout oats. Do your part and this machine will make sprouts several inches high in as many days. Absolutely safe and a piece of furniture that will look good in any kitchen. Made to give satisfaction.



	Price.	Fowls.
No. 1, 15 x 29, 3 trays and soaking tray	\$ 6.00	50
No. 2, 16 x 32, 4 trays and soaking tray	9.00	100
No. 3, 20 x 32 x 38, 5 trays and soaking tray	12.00	300
No. 4, 24 x 24 x 46, 7 trays and soaking tray	16.00	500

"INTERNATIONAL" "SANITARY HOVER."
Simplicity—Its Middle Name.



Sanitary Hover.

To get at the lamp, just lift it out. To move the hover, just pick it up. To set up the hover, just set it down.

The Sanitary Hover raises more chicks and less trouble than any other hover on earth.

It is fireproof and vermin-proof—long on chicks and short on trouble. Price, \$8.50.

Send for special catalogue.

Colony Coops. The reliable "H-I" kind. Substantially built, absolutely correct in design, easy to move.

Particular attention given to ventilation. The coops are wide open in front, but airtight behind and at the sides. Cloth curtains for protection against driving winds and rain.

"H-I" colony coops are admirable for use with the International Sanitary Hover. Each coop is equipped with a removable shelf, upon which the hover lamp can be placed for refilling. Price, \$10.00 each.

Rat-Proof Cages. Made of strong woven galvanized iron to completely cover the International Sanitary Hover. At brooding time rats become a serious problem to the poultrymen. The rat-proof cage overcomes this, as well as protecting the chicks from cats and other enemies. Price, \$4.00.

The Brooder Tent. Maybe you have never thought of a tent for a brooder, but we have, and they are fine for the purpose of using them with International Sanitary Hovers. The "H-I" brooder tent is 6 feet square and 6 feet high; is made of 8 oz. water-proof ducking, with ventilator at rear upper corner; will last many years if folded carefully and put away in a dry place after the brooding season is over. Price, complete with poles and stakes, \$6.00 each.

"Mandy Lee" Incubators and Brooders.

No. 8 and 10 Mandy Lee Fireless Brooder.

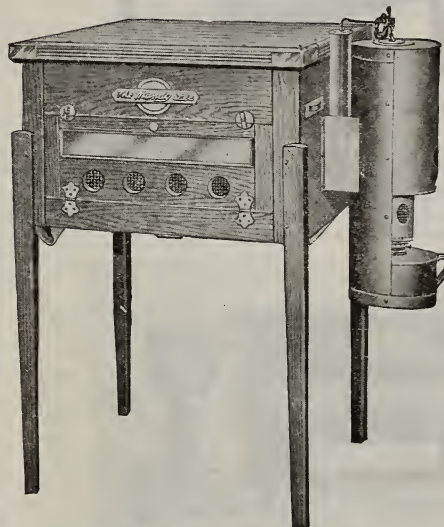
These can be used in or outdoors, according to the condition of the weather. No. 8 will hover 50 chicks. Price, \$5.00.

No. 10 will accommodate 100. Price, \$8.00.

Illustration next column.



Fireless Brooder.



100-Egg Mandy Lee Incubator.

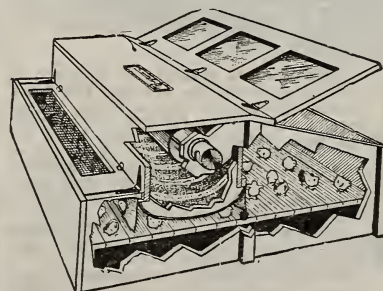
You can't buy better incubators and brooders than the "Mandy Lee." Space will not permit extended description here, but illustrations give a good idea of what these machines are and the catalogue—free on request—tells about them in detail. The ideal hatching and brooding equipment. Perfect control of heat, moisture and ventilation. All but the 60-egg passed by the National Board of Fire Underwriters.

Prices of Mandy Lee Incubators:
60-egg size..\$10.00

MANDY LEE INDOOR HEATED BROODERS.

The 60-chick Indoor Brooder. Heated. Accommodates nicely more than 60 chicks. This brooder is just the thing to go with a 60-egg incubator. For larger machines we recommend the Regular "Mandy Lee" and the Secondary Brooder. The Secondary is intended, as its name indicates, for chicks two or three weeks old, or after they have been through the Regular Brooder. Price, \$6.00.

Secondary Indoor Brooder, heated. Price, \$8.00. Capacity, 80 chicks



Regular Indoor Brooder. Heated. Capacity, 100 chicks. Price, \$13.00.

The front of the brooder is covered with a sash containing plenty of glass for light, this, when closed, will form a warm room of medium temperature for cold mornings or when the brooder is set in a cold room. At the back of the machine is a little runway for a fresh air exercising space for the chicks. The brooder is very easily cleaned. The lamp flame is always in sight. The lamp is easily removed for filling, trimming and

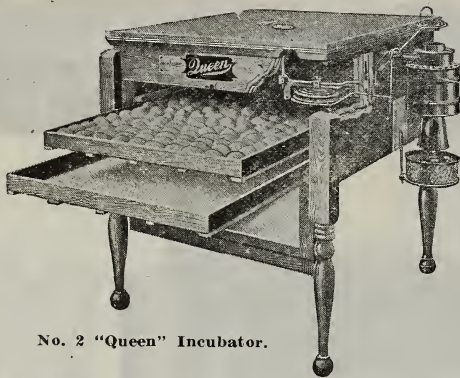
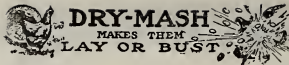
cleaning. An important feature is the lamp and burner. We have a burner that will not heat and will burn medium grades of oil.

The "Mandy Lee" Outdoor Heated and Regulated Brooder. This is really a small brooder house of ample room and capacity. Instead of the usual single floor, this has a double floor, 3x4 feet, the lower floor being directly on the ground where the chickens come in contact with Mother Earth.

In this new brooder the hover is the warmest part, just right for the most tender chick. Then comes the upstairs feeding compartment, a few degrees lower in temperature, where the chicks can be for a few days. Then they can pass down an incline to a ground floor scratching room, the full size of upper hover and scratch room combined. Here they have plenty of room during bad weather and right on the ground, which is the place for chicks to thrive. Price, \$18.00. Capacity, 125 chicks.

January 8, 1913.—Gentlemen—It gives me pleasure to write you and tell you the good success that I had during the Spring of 1912 with the 60-egg Mandy Lee Incubator purchased from you early in 1912. The hatch that I made, I believe, is a record on this small machine. Started the machine with sixty (60) eggs and made a hatch of fifty-two (52) and raised forty-seven (47) of the fifty-two (52) hatched. These pullets are now laying, and have been since the middle of November, and thinking that you may be interested in the enclosed picture of them, I take pleasure in handing you a copy.

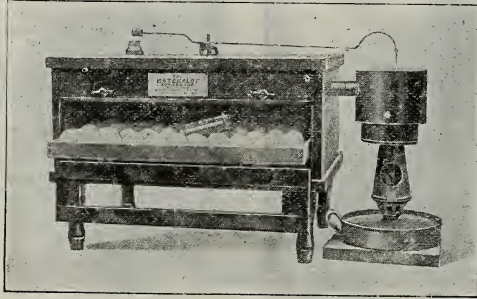
Respectfully yours, B. M. OBERDORFER, No. 21 S. Hanover St.



No. 2 "Queen" Incubator.

Queen Incubator. A hot water machine which has become very popular, especially on account of its good hatching quality. A large descriptive catalog on application.

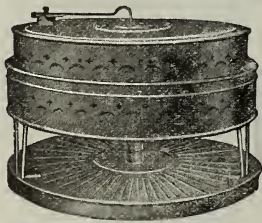
Prices.—No. 1, 60 to 70 eggs, \$13.00; No. 2, 110 to 130 eggs, \$17.00; No. 3, 160 to 180 eggs, \$22.00; No. 4, 220 to 240 eggs, \$27.00; No. 5, 340 to 360 eggs, \$35.00; No. 25, 520 to 540 eggs, \$44.00.



The "Hatchalot" Incubator.

Read that name twice. It describes the incubator. Be careful not to confound it with "guessalot," which might properly be used to describe many small incubators. The "Hatchalot" is a 60-egg machine. With ordinary care the "Hatchalot" will bring a vigorous chick out of every hatchable egg. As a hatcher on a small scale, its only real competitor is the mother hen—and it has something even on her. Price, \$7.50. Send for special catalogue.

Peep Gem Incubator. 50-egg machine, which is heated by patented hot water system, fitted with a brass double wafer end regulator, table top. The Gem goes to you ready for immediate use, with tested thermometer, egg tester, egg trays, lamp complete and full instructions. Can be put in operation in ten minutes. Anybody can operate the Gem successfully. Price, \$6.00.



Cycle Hatcher.

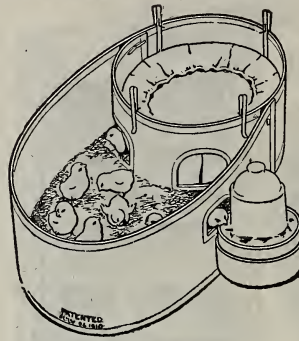
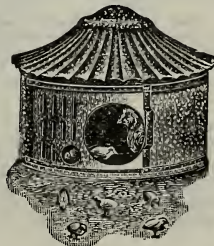
"Philo" Cycle Hatcher is designed to take the place of the hen and the large, clumsy incubators, and to carry out the development of the embryo chick in the egg to a living, healthy bird by a device approaching nearer to the stage of perfection in construction, operation and control of the moisture than anything on the market to date. Send for special catalogue on "Philo" goods.

Cycle Hatchers, complete with Lamp, Thermometer, etc. One, \$6.00; two, \$11.50; four, \$22.00.

Brooder Hatchers—Complete with Lamp, Thermometer, etc.—One, \$8.00; two, \$15.00; four, \$28.00.

Other Philo Goods in next column.

The "Standard" Brood Coop. For hen with chicks. Is rain proof, rat proof, vermin proof, and an absolutely safe and sanitary home. Of first importance to the raising of little chickens is a properly ventilated coop, consequently this matter was given the closest attention. Around the bottom of the "Standard" Coop we have turned out small openings similar to the ventilations on automobile hoods. Price, \$2.00; ½ doz., \$10.00. Send for circular.

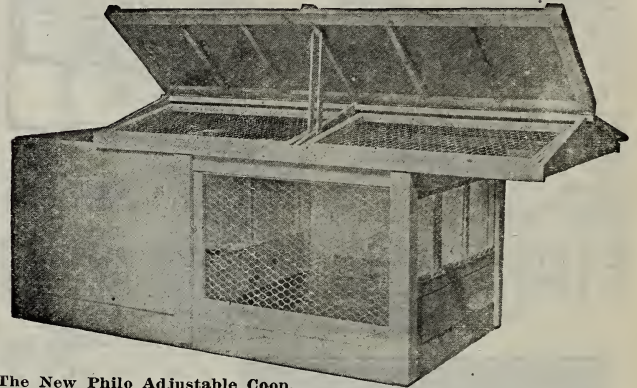


The "Lullaby" Brooder.

The "Lullaby" Brooder is positively the most simple brooder on the market, and yet it is built on lines true to nature, which insures the raising of nearly every chick entrusted to its care. Capacity, 25 chicks. Price, complete, \$1.00.

Philo Galvanized Iron Brooder. One large size, \$2.50; two large size, \$4.75; four large size, \$9.25; one medium size, \$2.00; two medium size, \$3.75; four medium size, \$7.25; one small size, \$1.50; two small size, \$2.75; four small size, \$5.25. Set of three Galvanized Iron Brooders, one of each size, \$5.00.

"Philo" Educator Brooders. Complete. One, \$5.00; two, \$9.50; four, \$18.00.



The New Philo Adjustable Coop.

The "Philo" System Coops. As space will not allow us to go into details, we suggest to our customers to let us send them interesting and instructive books on "Philo" System Goods. Prices are f. o. b. Baltimore net cash.

Adjustable Coops—Complete, one, \$12.50; four, each, \$12.00.

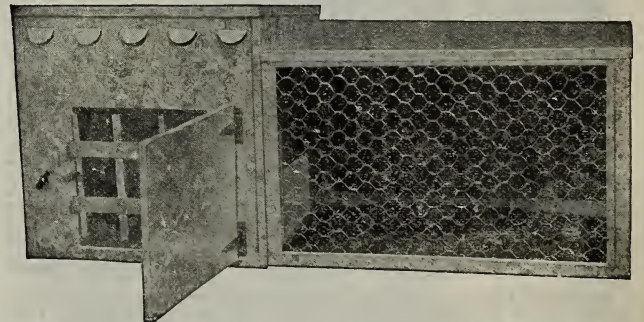
Brooder Coops—Complete, one, \$8.50; six, each, \$8.00.

Economy Coops—Complete, one, \$10.50; six, each, \$10.00.

Winter Colony Coops—Complete, one, \$21.50; two, \$42.00; four, \$80.00.

Summer Colony Coops—Complete, one, \$14.00; two, \$27.50; four, \$52.50.

New "Philo" Utility Coop—For use in the South, \$37.50; for use in the North, \$43.00.



M. & S. Metal Coop and Run. For hen with chicks. All galvanized iron; can be taken apart and folded up. Size, 18 in wide, 42 in. long, 18 in. high. Price, complete, \$3.50.

Newton Giant Colony Brooder.

Heat automatically regulated by Thermostat. Temperature held at the right degree all the time without attention.

Because it burns hard coal, colony houses are as safe from fire as your home with its coal-burning stove and heater.

The Coal Magazine of the "Giant" is filled from the top, above the Deflector, and holds 60 pounds of coal.

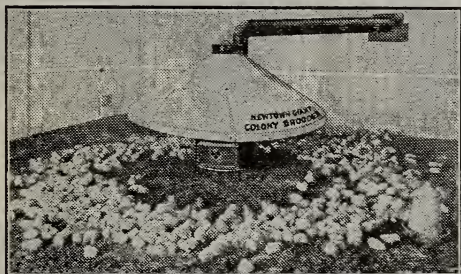
COAL-BURNING, SELF-REGULATING.

Coal is fed to the fire automatically. As one piece of coal is consumed another drops into its place, insuring a constant, even fire.

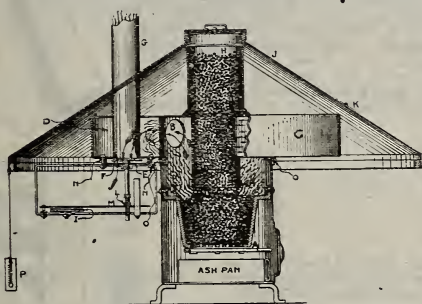
It saves much labor, because it needs coaling only every 48 hours in the severest weather, and raking but once in 24 hours under nor-

mal weather conditions. One filling of the Coal Magazine has been sufficient for 96 hours during mild weather.

The 1000 to 1500 chick "Giant" consumes approximately 8 cents worth of coal a day during the severest weather, with coal at \$7.00 a ton. An oil brooder or brooders to accommodate the same number of chicks requires 5 gallons of oil, an approximate cost of 55 cents a day.



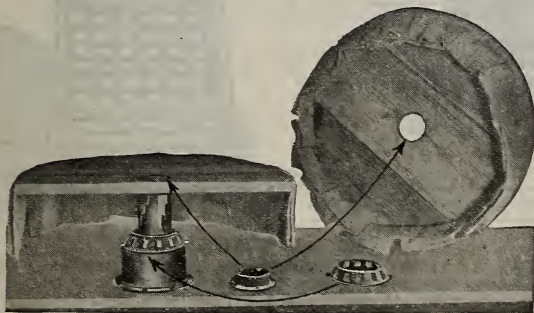
All gases and heat pass from the fire into a Heat Radiator above the fire—which extends out from the Heater—and are utilized. This means great fuel economy.



No pulleys, pulley cords or counter-balance weights to get out of order and slip. Heat Deflector need not be raised to coal and shake the fire or to remove the ashes.

PRICES.

No. 1 size, for any number up to 500 chicks.....\$25.00
No. 2 size, for 1,000 to 1,500 chicks..... 35.00



NEWTOWN BROODING HOT WATER ADJUSTABLE HOVER SYSTEM.

For years the Newtown Brooding System has been in use on many large plants, and its ability to raise chicks rapidly and healthfully with the least loss has been established and is generally recognized. It is the ideal equipment for the poultryman who prefers brooding his chicks in small flocks.

It consists of the same heater employed with the Newtown Giant Incubator, having an Automatic Temperature Regulator and Automatic Coal Feeder; 6 runs of 1½-inch pipe, Cast Iron Radiator with Adjustable Temperature Regulators, by which the chicks in each hover are given the heat best suited to their age; Adjustable Hover tops with felt curtains, which can be gradually raised to give the chicks more ventilation and more room as they develop.

Handsome catalog and full information, with prices, furnished upon request.

On December 17th, 1913, Mr. Frank House, 151 N. Hare St., tells us: "I have hens and pullets. They started to lay December 2nd. Up to the 16th they laid 58 eggs. Yesterday they laid nine. This is and would not think of changing the feed."



Newtown Portable Poultry Buildings.

Are made so as to be especially suitable for the accommodation of the Newtown Coal-Burning, Self-Regulating Brooder, with which can be successfully brooded any number of chicks up to 500 in a 12-ft. x 20 ft. house, and any number up to 1500 chicks in a house 14 ft. x 28 ft. in dimensions.

PRICES.

PRICES.				No. 12	No. 14
Building complete				\$100	\$137
Without floor				86	137
Without roosts, nests and floor				80	125
	No. 4	No. 6	No. 8		
	6 ft. x 4 ft.	6 ft. x 6 ft.	6 ft. x 8 ft.		
Building complete	\$22.00	\$26.00	\$30.00		
Without floor	20.00	23.50	27.50		
Without roosts, nests and floor	19.00	22.00	26.00		
Height of these three latter sizes, in front, 6 ft.; in rear, 4 ft. 6 in.					
Roof covered with substantial two-ply roofing felt. Houses painted two coats.					

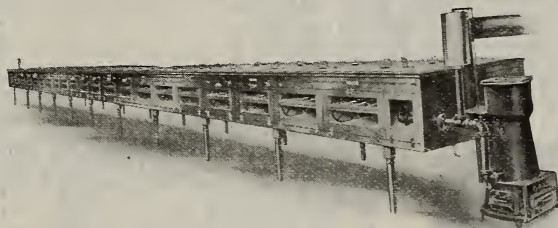
"THREE-IN-ONE"—BROODER, COLONY, LAYING HOUSES.

When heat is no longer required for the chicks, the Brooder can be taken out of the building, thus transforming it into a colony house. This eliminates the necessity of moving the birds, which always causes heavy loss and deters their development.

The cockerels and culls among the pullets are weeded out as the birds advance toward maturity, when the pullets are ready to be penned up preparatory to laying. At this time roosts, dropping boards and nests are placed in this same Newtown House, and it is transformed into an ideal laying house.

As they answer three purposes, Newtown Portable Buildings save at least 75 per cent. in the cost of building construction. With them you can increase the capacity of your plant as your business increases, on the colony plan, which has proven by tests at the leading Experimental Stations and Egg Contests to be the most profitable method of conducting a poultry farm.

The several parts of this building are composed of the following number of pieces: Each end, one piece; front, two pieces; back, two pieces; roof, four pieces; floor, four pieces; center partition, one piece. These are all bolted together in erecting, and the Newtown Portable Building can be set up by two men in a half day.



NEWTOWN GIANT INCUBATOR.

Is a product born of the need for an Incubator thoroughly dependable, safe and sure.

The first Newtown machine was made on a combined poultry plant and manufactory. Constant, practical use and continual experimentation naturally had to result in a machine most economical in operation and most profitable in its results.

The 1914 Model Newtown Giant Incubator has time and labor saving and result improving features possessed by no other machine, among which are the

EXCLUSIVE FEATURES.

Automatic Tray Turner, Single and Double Decks, Automatic Coal Feeder at Heater, Automatic Regulator at each Compartment, Five Automatic Safeguards against "off" temperature, Automatic Temperature Indicator, Automatic Electric Alarm.

The Automatic Trays Turner turns all the eggs in a 1,200 or a 24,000 Newtown Incubator in less than one minute.

Now, or later, the Newtown two-deck construction makes possible the doubling of the hatching capacity of any size cellar.

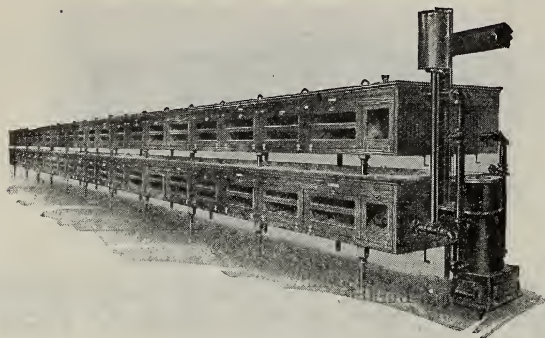
The Newtown Heater has an Automatic Coal Feeder that holds sufficient fuel to require filling but once in 24 to 48 hours.

Its Automatic Regulator at each compartment, by the use of a moisture pan and action of a thermostat, automatically regulates the supply of moisture and the temperature in each compartment.

The Five Newtown Safeguards against over and under heating, make hatching a pleasure instead of a worry and "grind."

The Automatic Temperature Indicator extends above the machine, and the operator almost unconsciously sees the temperature his eggs are receiving.

On December 17th, 1913, Mr. Frank House, 151 N. Hare St., tells us: "I have hens and pullets. They started to lay December 2nd. Up to the 16th they laid 58 eggs. Yesterday they laid nine. This is and would not think of changing the feed."

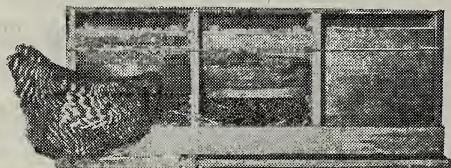


Double Deck Incubator.

The Electric Alarm Bell will ring if an accident occurs to bring the operator to the machine.

Critical poultrymen want an Incubator more than just a factory product—they want a machine that has proven its efficiency in use, and that combines as well the essentials that insure most profitable investment. That is why the 1914 Newtown Giant is in such great demand.

Large and finely illustrated catalogue and price list will be sent upon request.



NEWTOWN PRACTICAL TRAP NEST.

The truly reliable detector of the shirking hen.

The Practical Trap Nest is a profitable addition to every poultry plant, because it weeds out the drones and cuts down feed bills for the man who wants to keep only those birds that produce.

Made in sections of 1 to 5 nests. Strongly built of good lumber, as light in weight as consistent with strength and durability, with a trap that works noiselessly and surely.

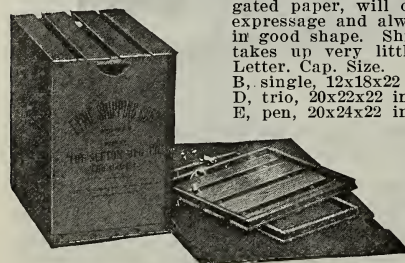
Prices, Shipped Crated, Ready for Use.

One Complete Single Nest, 14x18x15 in.	\$1.00
One Complete Set of 2 Nests, 27x18x15 in.	1.80
One Complete Set of 3 Nests, 40x18x15 in.	2.50
One Complete Set of 4 Nests, 53x18x15 in.	3.20
One Complete Set of 5 Nests, 67x18x15 in.	3.90

Your Order for one or more Practical Trap Nests will receive our prompt attention. Send it now and do away with those birds that produce nothing and eat much.

The Eyrie Shipping Coop. Made of corrugated paper, will carry any distance, saves expressage and always delivers the contents in good shape. Shipped knocked down, and takes up very little space in stock room.

Letter. Cap. Size.	Each.	Doz.
B, single, 12x18x22 in.	.40	\$4.00
D, trio, 20x22x22 in.	.55	6.00
E, pen, 20x24x22 in.	.65	6.50



Empire Shipping Coops. This is an entirely wooden coop, used for shipping exhibition birds. They are carefully made and will last many trips, carrying the contents safely. Shipped knocked down.

	High	Wide	Long	Each	Doz.
Single Bird Size.	25	12	22	\$0.75	\$8.40
Trio Bird Size.	25	18	22	.90	9.60
Pen Bird Size.	25	22	22	1.00	10.80

The Houghton Egg Carrier. Made after the style of a dress suit case. See illustration figure 3. Holds 6 dozen eggs by wires which hold the eggs perfectly tight and allows ventilation, keeping the eggs fresh. Price, \$1.00.

Egg Case Fillers. For Humpty Dumpty or Regular 15 and 30 doz. Egg Crates. Box containing 120 Fillers and Dividers, \$1.75; doz. lots, 25c.

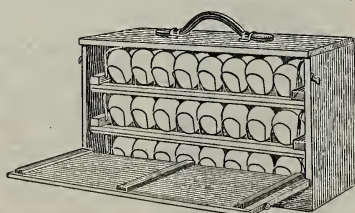
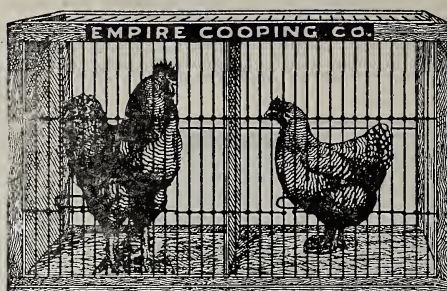


Fig. 3.



Empire Exhibition Coops. For training and conditioning show birds, as well as for using to exhibit them. These are carefully and substantially made and will materially aid any bird in winning on account of the way they show them off.

Style	Hght.	Wdth.	Lgth.	Price
AA (for 1 or 2 birds)	27	24	24	\$3.50
C (2 compartments)	27	24	48	5.00
A (3 compartments)	27	24	66	5.80
G (4 compartments)	27	24	88	7.60

EGG BOXES FOR PARCEL POST.

This shipping package is so constructed that each egg is separated by a thickness of corrugated board and the entire contents are surrounded by a double wall of air-cushioned corrugated board. Their extreme light weight, when compared with other packages, will, in many cases, save the postage for an extra pound. Fold flat for shipment.

For shipment each egg must be wrapped in paper.

	Price.	1 only.	1 doz.	50
1 dozen box	\$.05	\$.50	\$2.00
2 dozen box07	.75	2.75
3 dozen box10	1.00	3.75
4 dozen box12	1.25	4.50
5 dozen box15	1.50	5.50

"Saf-eg-pak" Box. Absolutely no risk. in sending valuable hatching eggs by express, parcel post, etc. Made of wood.

Size	Each	Doz.
1 setting	25c.
2 setting	40c.

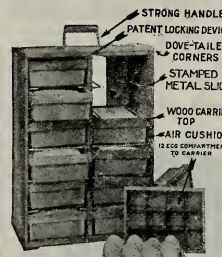


Fig. 4.

"Modern" Egg Carrier. (Fig. 4). Just the thing to bring eggs to market. 4 doz. size, \$1; 6 doz. size, \$1.25; 8 doz. size, \$1.50; 12 doz. size, \$2.00.

Paper Egg-Boxes holding one dozen each. Doz., 10c.; 3 doz., 25c.; 100, 75c.; 1000, \$6.00.

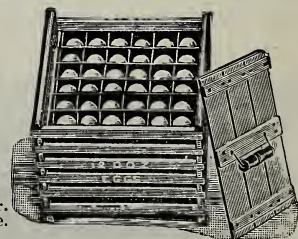


Fig. 5.

"Humpty Dumpty" Egg Carrier. (Fig. 5). Collapsible. 12 doz. size. 40c. each; \$3.25 per doz.

Loc-krate. For shipping eggs for commercial purposes, made of good, well-seasoned lumber, with pasteboard fillers and a self-locking arrangement. Price, 15-dozen size, 75c.; 30-dozen size, \$1.25.

The Houghton Egg Turner. (Fig. 6). Of inestimable value to poultry raisers. The eggs can all be turned in a moment's time with positive certainty and without risk of breaking. A great labor saver. Made in four sizes.

15-do. size	.....	\$3.25
28-do. size	.....	4.25
42-do. size	.....	5.75
84-do. size	.....	8.50

Anderson's Egg Boxes. These are made of corrugated paper and are similar in every way to the Eyrie box, except they are not equipped with a handle. Each. Doz. One setting 15c. \$1.15 Two settings 20c. 1.90 50-egg Size 25c. 2.75 100 egg 40c. 4.50

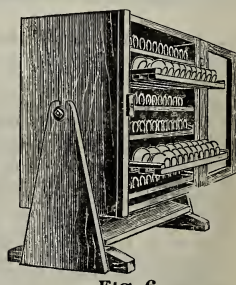


Fig. 6

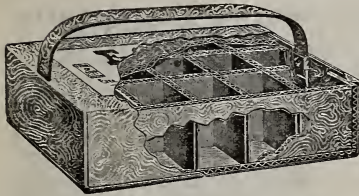


Fig. 2.

Eyrie Egg Boxes. (Fig. 2). 1 setting, each, 15c.; \$1.35 per doz. 2 settings, each, 20c.; \$2.00 per doz. Cannot be used for parcel post on account of locking feature.

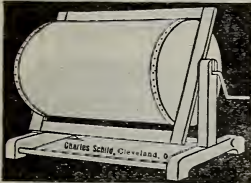
50-Egg	60c.
75-Egg	70c.
100-Egg	80c.



Live Chick Shipping Box. Made of corrugated paper, extensively used, will carry chicks any distance with perfect safety. Are shipped knocked down and take up small amount of space.

Capacity.	Size.	Each	Doz.
25 Chicks	12x6x5	\$0.12	\$1.25
50 Chicks	12x12x5	.20	1.75
100 Chicks	24x12x5	.35	3.00

LICE KILLING MACHINE. SCHILD'S LIGHTNING



STAR CHICK BOX.

Star Chick Box. Outside frame made entirely of wood and is shipped set up ready for use. 1 doz. chick size, 25c.; 25-chick size, 30c.; 50-chick size, 45c.; 100-chick size, 70c.

For Eggs in Winter It Can't Be Beat.

Look at the picture and see what a simple thing it is. Any man, woman or child can operate it. Yet it is so strongly made, so nicely painted, that one will last you almost a lifetime if given proper shelter.

This Machine will raise nearly every chick that you hatch with a hen, providing you will clean both the old hen and her little chicks within 48 hours after the chicks leave the shell, also repeat the operation within 12 to 15 days after the first cleaning. Now remember what we say. That is, you must clean both the old hen and her little chicks within 48 hours after they leave the shell.

If you do not want your old fowls to suffer with Body Lice, Colds, Roup, Diarrhea and Cholera in the cold fall and winter months, and if you want them to lay you eggs, use Schild's Lightning Lice Killing Machine.

This Machine will clean from 20 to 50 little chicks, or seven to 9 old fowls, at one operation, according to age, size and breed. It will absolutely do no harm to little chicks or laying hens.

If you now own a badly rundown flock or any sick fowls, put them through the Schild Lightning Lice Killing Machine and see what it will do for them. If it does not make you open your eyes some, then it will be because you are stone blind.

No. 1, small size	\$2.50
No. 2, medium size	3.00
No. 3, large size	4.00

Special Powder for using in these machines, 25c. pkg.



"American" Steel Fence Post.

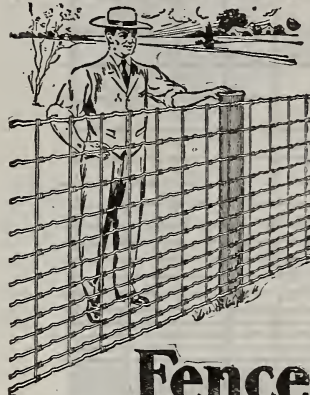
"American" Steel Posts for Poultry Yards. A 6-foot fence is high enough for the ordinary poultry fence. Putting the posts 2 feet in the ground, this is accomplished by using 8-foot posts. By the use of "American Steel" Posts about the poultry yard sanitary conditions

are secured and the poultry is safe from the common pest breeder, the old wood post.

No. 16 Line Post, 6½ ft.	Price....40c.	8 foot End Post....\$2.75
No. 16 Line Post, 7 ft.	Price....45c.	8 foot Corner Post....3.75
No. 16 Line Post, 8 ft.	Price....55c.	Send for Spl. Catalogue.

Barbed, Ribbon, Plain and other Wires. Prices on application.
Barbed Wire Staples. Price, 5c. per pound.

American



The "American" Farm Fence is made of large, strong, high-grade steel wires, heavily galvanized. Amply provides for expansion and contraction. Is practically everlasting. Never goes wrong, no matter how great a strain is put upon it. Does not scar or injure stock. Sold in 10 and 20 rod rolls.

No.	High.	Stays.	Stnds.	Rod
726x	6..26 in.	6 in.	7 in.	30c.
726x12..	26 in.	12 in.	7 in.	24c.
832x	6..32 in.	6 in.	8 in.	35c.
832x12..	32 in.	12 in.	8 in.	27c.
949x12..	49 in.	12 in.	9 in.	34c.

Send for Special Descriptive Catalogue.

Gates. Prices on application.

Fence

(Wire continued on next page)

Two-inch Diamond Mesh Poultry Netting. Put up in rolls of 150 feet. Galvanized after weaving.

No.	1 foot,	150 running feet	Price.
No. 20,	2 feet,	150 running feet	1.35
No. 20,	3 feet,	150 running feet	1.90
No. 20,	4 feet,	150 running feet	2.50
No. 20,	5 feet,	150 running feet	3.00
No. 20,	6 feet,	150 running feet	3.50
No. 19,	1 foot,	150 running feet	.75
No. 19,	2 feet,	150 running feet	1.50
No. 19,	3 feet,	150 running feet	2.25
No. 19,	4 feet,	150 running feet	3.00
No. 19,	5 feet,	150 running feet	3.75
No. 19,	6 feet,	150 running feet	4.50

Two-inch Mesh, 1c. per square foot in less than roll lots.

¼-inch Mesh Netting. Galvanized after weaving. This wire is small enough to turn baby chicks and Pigeons, and much cheaper than the 1-inch mesh.

No.	1 foot,	150 running feet	Price
No. 20,	2 feet,	150 running feet	2.65
No. 20,	3 feet,	150 running feet	4.00
No. 20,	4 feet,	150 running feet	5.25
No. 20,	5 feet,	150 running feet	6.50
No. 20,	6 feet,	150 running feet	7.75

¼-inch Mesh, 2c. per square foot in less than roll lots.

One-inch Mesh Netting, 1 foot, 150 running feet, \$1.65; 2 foot, \$3.25; 3 foot, \$4.75; 4 foot, \$6.25; 5 foot, \$7.75; 6 foot, \$9.25.

Poultry Wire Staples, 7c. per lb.

Hardware Cloth. For lining corn cribs, poultry houses, etc., put up in rolls of 100 feet. Rat and bird proof. 12-inch, \$3.50; 18-inch, 5.25; 24-inch, \$6.00; 36-inch, \$9.00; 48-inch, \$12.00.

"Regal" Roofing. The roofing with life. Will not crack, dry cut, rust or rot in any climate. It is made from genuine Trinidad Lake Asphalt, which is standard all over the world. It is the most durable for roofing because its water-proofing oils are least affected by the elements. It does not oxidize from exposure to the air. It does not volatilize or evaporate from the heat of the sun. Extreme cold doesn't take the life out of it.

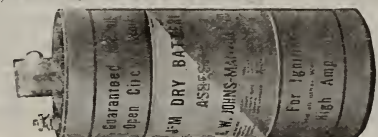
1-ply, guaranteed 5 years	\$1.85
2-ply, guaranteed 7 years	2.15
3-ply, guaranteed 10 years	2.40

Sample mailed on request.

J-M Dry Cell Batteries. Strong and lasting, for ignition work in automobiles, motor boats, gas and gasoline engines, motors, small lights, bells, etc., 25c. each.

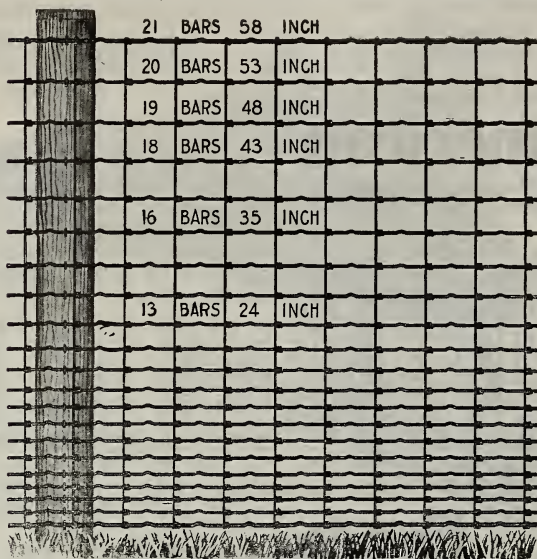


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Reisterstown, Feb. 11th, 1913. Gentlemen—I am more than pleased with the results that I got from the 100-egg Mandy Lee Incubator. Out of 95 eggs, it hatched 85 strong, sturdy, bright-eyed chicks. Yours truly,

MAX BOETTCHER

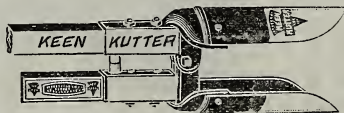


The "New American" and Rabbit Fence. Four poultry yards, surdus, orchards and yards, it is a great favorite. Price, 165 feet, 58 in., \$4.25; 165 feet, 58 in., \$4.75.

Posthole Digger.

Highest Grade Crucible Steel Blades, 12 Gauge, 9 in. deep, 5 in. wide, riveted to heavy shouldered Malleable Iron Frame, with closed handle sockets 4 in. deep; select ash handles with graduation marks in ft. burned on, diameter. Price, \$1.50.

Post Hole or Well Augers. \$3.00.



Keen Kutter Posthole Digger.

THE NORWICH AUTOMATIC EXERCISER AND FEEDER.

As its name implies, is an ingenious automatic machine for feeding and exercising poultry, and has, by force of its own merits in the short years of its existence, established itself as the standard method of feeding in poultry culture.

Fill the hopper with any dry grain feed, or any mixture of dry grain feed, and the revolving bait bar with cracked corn. Stand the Feeder anywhere in the yard, pen or house, and put any kind of litter under machine. Adjust valve to feed desired quantity. Adjust legs for required height. Use for thirty days. At the expiration of that time, if you do not see a marked improvement in your flock, if your egg production is not increased, and if you are not absolutely satisfied with the machine, return it and we will at once refund your money. Larger sizes, prices on application. Discount on quantities. Send for full descriptive printed matter.

No. 1, 8-qt. Hopper	Price, \$2.50
No. 2, 14-qt. Hopper	Price, 3.25
No. 3, 20-qt. Hopper	Price, 4.10
No. 4, 32-qt. Hopper	Price, 5.00



Fig. 1.

Felker's Sanitary Specialties for Poultry.

"Peerless" Drinking Fountain keeps the water clean and pure. 1 qt., brooder size (Fig. 1), 30c.; 5 qt., 60c.; 10 qt., 85c.; 5 qt. size with a heater (Fig. 2), to keep water from freezing, \$1.50; 10-qt., \$2.00; 5 qt. Heater alone, \$1.00; 10-qt. Heater alone, \$1.25.



THE NORWICH AUTOMATIC AIR-LOCK FOUNTAIN

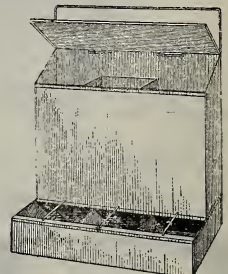
The device is worked out on a simple example in Physics of atmospheric pressure as against the weight of water, and as it is a fixed principle of nature, the device is absolutely perfect in its action and may be relied upon to fill its functions as truly as any condition of nature with which you wish to compare it.

We guarantee the Norwich Automatic Air-Lock Fountain to be absolutely satisfactory in every respect, that it is positively frost proof to ten degrees below zero, hygienic and sanitary. Failing to give satisfaction in every respect, the machine may be returned at our expense and the purchase price with delivery expenses will be refunded.

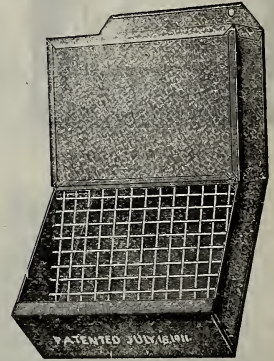
Price, made in one size only, 5 gallon capacity, complete with burner base, \$3.00; without burner base, \$2.00.

Norwich Automatic Drinking Fountain. To be attached to lard or butter tub. Price, \$1.00.

"1-2-3" Poultry Feeder. For dry mash, scraps, shells, grit, charcoal or any poultry feed. When used for one kind of feed only, take out separator; for two kinds put separator in one end; three kinds, say scraps, shells and grit, put separator in middle, and you have three separate feeders. Price, 75c.; small size, 50c.



Closed.

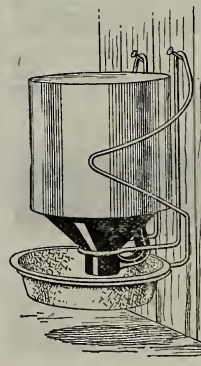


Open.

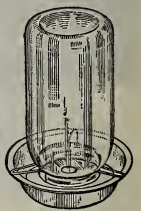
Sexton's Dry Feed Hopper. Easy to fill and no waste. Pronounced to be the best hopper offered. Simple in construction, easily operated, and absolutely rat, mouse and dust proof. No. 1, poultry size, \$1.00 each.

LUG-A-JUG

And have a practical Drinking Fountain for your poultry for thirty-five cents. It consists of a frame and pan to be used in connection with any gallon jug, and will make a perfect drinking fountain. 35c. each.

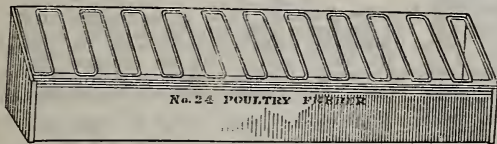


The Noslop Chick Fountain and Feeder. To be used with any size Mason jar. When used for water, fill the jar, snap on cap and adjust the bottom. For feed it should be used without the cap. This is a cheap, practical and sanitary Fountain and Feeder for small chickens. 15c. each. 2 for 25c.



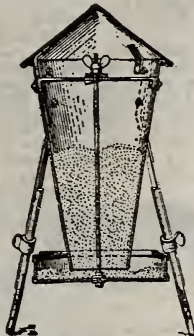
Riderwood, Md., Dec. 10, 1913. Gentlemen—I will send you my check the first of the month for the two No. 1 Norwich Automatic Feeders. Enter my order and ship at once one No. 2 feeder and one Norwich Automatic Airlock Fountain. These two articles are fine. They make poultry keeping 100 per cent. easier. Yours truly,

GEORGE F. ROBERTSON.



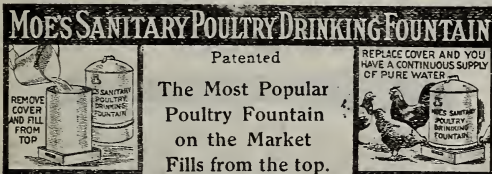
No. 24 and No. 12 Poultry Feeder. A practical dry mash feeder. Can be used for any kind of grain; designed to hang on the wall. Will not waste the grain and will do as satisfactory work as any high-priced feeder. No. 24 Feeder, 50c; No. 12 Feeder, 35c.

The Jersey Pigeon and Dry Food Hopper is used for feeding soft food, such as bran, middlings, "Lay or Bust," etc. Fowls cannot get into it to scratch, and there is nothing about it to get out of order. The three largest sizes have adjustable legs, with which hopper can be raised 15 inches above the floor. Small hopper for chicks not adjustable. If raising pigeons for pleasure or profit, you need a Jersey Hopper. It saves time, and the pigeons are always well fed. Feed cannot foul; this means no sour crops, healthier pigeons and fatter squabs. Rat and mouse proof. No. 1, 14-qt. \$2.50 No. 3, 5 qt. \$1.50 No. 2, 8 qt. 2.00 No. 4, 5 pt.90



Moe's Round Feed Saving Hopper.

We absolutely guarantee that this hopper will not clog. Manufactured of the best grade of galvanized iron. Two sizes. No. 7, Moe's Round Hopper, one bushel capacity, \$1.50; No. 8, Moe's Round Hopper, one-half bushel capacity, \$1.00.



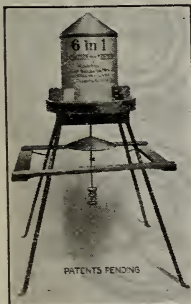
Dead air space between cover and reservoir keeps water cool in summer and from freezing in winter. Sanitary and humane. Manufactured in three sizes.

No. 1, one gallon capacity \$1.25
No. 2, two gallon capacity 1.75
No. 4, four gallon capacity 2.25

Write for catalogue of Moe's Sanitary Drinking Fountains for Poultry, Pets and Porks.

Moe's Feed Saving Hopper.

Feed can't clog on account of simplicity of construction. Manufactured in one size only. No. 6 Feed Saving Hopper, capacity 4-5 bu. Price, \$1.50.



The "6 in 1" Feeder. Is a large hopper supported on 4 strong iron legs and designed to keep constantly before chickens all the food necessary for them. Price, 40 quart, \$4.75; price, 20-quart, \$3.75. Outdoor Hoods, small, 75c.; large, \$1.00.



Fig. 1.

Drop-Bottom Founts. (Fig. 1). 28-gauge galvanized steel. Easiest thing in the world to open and clean. Clasp by which the bottom is fastened fits over the small hole under the hood, preventing slopping of water when the fount is handled. Solid brass hinge rod—no rust.
2 quart \$.45
1 gallon60
2 gallon80

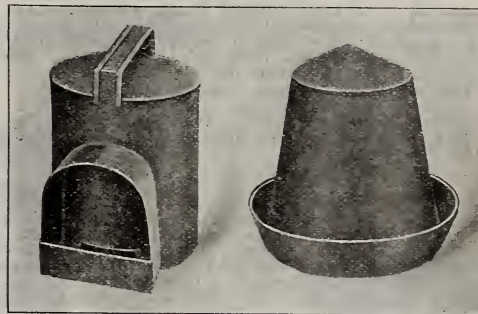


Fig. 2

Fig. 3

Two-piece and Wall Fountain.

2-piece Drink Founts (Fig. 3). Black iron, galvanized after fount has been completed. This assures a smoother, better looking fountain and keeps the edge at the top from rusting. When the galvanizing is done first, turning the edge cracks it and makes it liable to rust. We can also furnish these with flat top, price same.

Small, 20c.; Medium, 25c.; Large, 40c.
Wall Founts. (Fig. 2). All these wall founts have hoods over the troughs, which prevent dirt from settling in the water. Can be hung up on wall, and for this reason are preferred by many to the 2-piece fount, which must be placed on the floor.

1 gal., 50c.; 2 gals., 75c.



Chick Feed Troughs. The only rounded chick feed troughs on the market. No trouble to clean them. The grate slides easily on and off—a feature not found in any other chick troughs. The grate also serves as a handle, and is so slanted that the chicks cannot roost on it. Two sizes—10-inch and 20-inch.

10-inch, 30 cents; 20-inch, 50 cents.
Wall Chick Feeder. An invention of our own, and the best wall chick feeder ever offered for sale. Wire screen keeps chicks from wasting the food. Sloping top prevents roosting. Two sizes—10-inch and 20-inch. 10-inch, 50 cents; 20-inch, 75 cents.

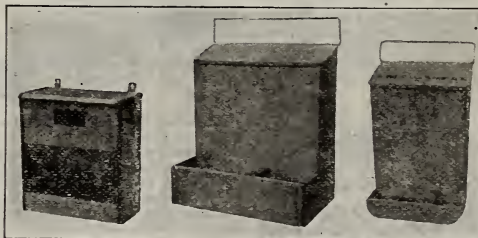


Fig. 4.

Fig. 5.

Fig. 6.

Round Bottom Grit and Shell Box. Round bottom—a feature absolutely new to grit and shell boxes. No clogging of grit and shell in the corners. Easily the most satisfactory grit and shell box ever placed on the market. 50c. and 75c. Fig. 6.

Rectangular Grit and Shell Box. Liked by many because dust and straw cannot easily get into the trough. 40 cents Fig. 4.

Straight Front Dry Food Hopper (Fig. 5). At least as good as any other straight-front hopper made, and lower in price. Perfectly straight front, which causes the contents to feed readily. Lip in front. Wire bars to keep the fowls from wasting food. Price, 70c.

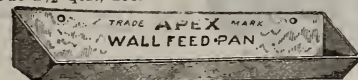
Round Bottom Dry Food Hopper. The hopper you will eventually buy. Sure to replace all other makes of dry food hopper. Owing to the rounded bottom, dry mash and beef scrap feed readily and never clog. 75 cents.

Slant Front Dry Food Hopper. 28-gauge. Heavier and stronger than most of its competitors of the slant-front variety. Price, 65c.

APEX SANITARY POULTRY APPLIANCES.

"Apex" Feed Pans. Made of galvanized iron, strongly wired. Almost indestructible. Shallow for chicks. Made in two sizes: No. 1, 6x7 in. and 1 in. deep, capacity about 1 qt., 15c. No. 2, 7½x8½ in. and 1½ in. deep, capacity about 1½ qts., 20c.

"Apex" Wall Feed Pan. It can be hung high or low out of the way. Easy to clean. Can be used for feed, grit, etc. Price, 35c. and 25c.

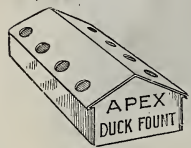


Mr. A. E. Warner, of 1009 Madison Ave., a poultry judge of international fame, says: "Your Park & Pollard Growing Food is the greatest food I have ever used for developing growing chickens. I have tried most all kinds that are manufactured."



"Apex" Single Chick Feeders. Are made with hinged top, provided with small rings to hang on wall if desired. Made in four sizes of three, six, nine and twelve holes. Price, 25c., 35c., 50c. and 75c.

"Apex" Double Chick Feeders. Are made with the readily removable patent slip top. Chicks can feed from both sides. Made in three sizes of six, ten and fourteen holes. Price, 35c., 50c. and 75c.



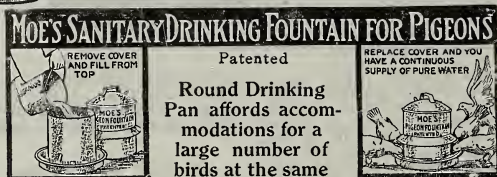
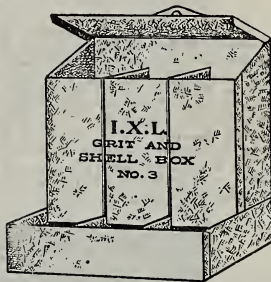
"Apex" Duck Fountain. This fountain has been constructed along the lines of the "Apex" feeders, without, however, having the "Apex" bottom. The duck can readily drink, but cannot get the bill into the water far enough to "wallow." Two sizes, 2 qts., 50c., and 4 qts., 75c.

"I. X. L." Grit and Shell Box. Is made with three compartments (see illustration), each holding about one and one-half quarts. The grit, shell and charcoal are kept entirely separated and will not be wasted by the fowls. Will not clog. Price, 50c.

Atsatt Chick Feeder. Very serviceable; galvanized iron; protected top to keep chicks out. 25c. Poultry size, 50c.

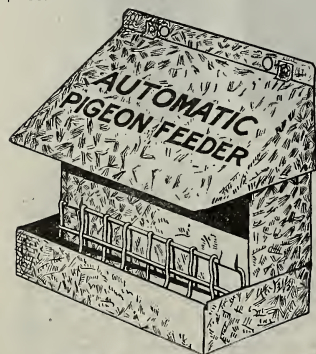


Feed Cups for Exhibition and Training Cages. Large size, 20c. each, \$1.75 doz.; small size, 15c. each, \$1.50 doz.



Drinking surface protected by a hood to prevent contamination. Can be hung up or placed on the floor. No. 1 Moe's Pigeon Fountain, one gallon capacity, \$1.25.

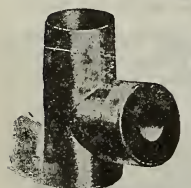
"Apex" Pigeon Bath Pan. These are of best quality galvanized iron, riveted corners, wired with heavy wire, will not rust, and with ordinary care should last for years. Sizes: 18 in. square, 4 in. deep, capacity about 5 gal. \$1.00.



Automatic Pigeon Feeder. We have worked hard to put a pigeon feeder on the market that would eliminate all waste and still feed freely. The Automatic Feeder does this to perfection. Dandy for chick feeding also. No. 1, 75c.

Clay Pigeon Nest. 15c.; \$1.50 doz.

Earthenware Poultry and Pigeon Fountains. (Fig. 1). Especially adaptable for warm weather, as the water does not get so hot in them. Price, pint size, 20c.; qt., 25c.; 2 qt., 35c.; 4 qt., 45c.; 8 qt., 60c.



X-Ray Egg Tester.

X-Ray Tester. Each, 25c.
Sulphur Fumigating Candles. Each, 10c.

Vermion Proof Roost Support. Pair, 25c.

Blue Flame Gas Burner for Incubators. Each, 85c.



Fig. 1.

Incubator and Brooder Lamps. Made of galvanized steel. With proper care will last for years. Large size, holding 2 qts. of oil, with No. 3 burner, complete, with metal chimneys, 90c. Small size holds 1 qt. of oil, with No. 1 or No. 2 burner, complete, 75c.

Galvanized Iron Chimneys. For incubators and brooders. 15c.

"Zero" Brooder Stove. For persons making their own brooder. All complete, \$1.25.

Incubator Wicks. State sizes wanted. 2 for 5c.; doz., 25c.

Brooder Wicks. State sizes wanted. 2 for 5c.; doz., 25c.

Incubator Lamp Burners. For "Mandy Lee," Cyphers, Essex, Prairie State and other makes. Large size, 40c.; small size, 30c.

Brooder Lamp Burners. For various makes. Price, 40c.

"Zenith" Chimneyless Brooder Lamp Burner. Price, 40c.

Felt. For Incubator Diaphragms and Brooders. Price, 30c. a square yard.

We carry various other Brooder and Incubator Repairs.

CHICKEN AND PIGEON LEG BANDS.

Mark each hen so you know where she belongs at a glance. Mark your old hens to distinguish them from pullets, so that you can catch the right one to kill at the first grab.

Table of sizes of bands for different breeds. Order by number.

No. 1. Bantams and small Mediterranean females, etc.

No. 2. Ordinary Mediterranean and pit game females, etc.

No. 3. Mediterranean males, American females, pit game males.

No. 4. American males, medium Asiatic females, turkey hens, etc.

No. 5. Ordinary large Asiatics and tom turks, etc.

"Smith Sealed" Bands. If you want the best be sure you get "Smith Sealed" stock numbered bands. Every band is numbered different. Prices

doz., 30c.; 25, 50c.; 60, \$1.00; 100, \$1.50; 250, \$3.50; 500, \$6.50; 1000, \$12.50. Sizes as table above.

Sealers, for sealing S. S. Bands. Plain, 50c.; lettered jaw, 60c.; nicked plated, 65c.; lettered jaw, 75c.

"Double Clinch" Leg Bands. Made in sizes as table. A strictly reliable open or removable band.

Fastens with two clinches, leaving absolutely no exposed corners, ends or loops to come loose.

Price, doz., 15c.; 25, 25c.; 50, 40c.; 100, 65c.; 250, \$1.50; 500, \$2.75; 1000, \$5.25.

"Leader" Adjustable Leg Bands. Similar to Champion. Latest and best adjustable leg band out. Has neatest, most compact and smoothest fastening of any adjustable band on the market. Two sizes, No. 1 small and No. 2 large. Prices, doz., 15c.; 25, 25c.; 50, 40c.; 100, 65c.; 250, \$1.50; 500, \$2.75; 1000, \$5.25.

Seamless Pigeon Bands. Made in three sizes. Prices, doz., 30c.; 25, 50c.; 100, \$1.50.

Open Chick or Pigeon Bands. Price, doz., 15c.; 25, 25c.; 50, 40c.; 100, 65c. Fig. 3

Know Your Hens on Sight

SPIR-OL

TRADE MARK

LEG BANDS

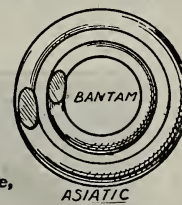


Ruby

Amber

Black, White,

Blue, Pink



ASIATIC



MEDITERRANEAN



AMERICAN

ON AND OFF LIKE A KEY RING



Fig. 3.

"Spir-Ol" Leg Bands. Black, white, blue, dark blue, green, pink, yellow and ruby, made of celluloid. On and off like key ring. Three sizes: Mediterraneans, American and Asiatic. Price, doz., 25, 35c.; 50, 60c.; 85c.; 100, \$1.50. Baby chick and pigeon size, 20c. doz.; 25, 35c.; 50, 60c.; 100, \$1.00.



Coloroid Three Number Pigeon Bands. This band is the most visible, most effective and practical numbered leg band made, in colors that can be seen at a distance. 6 pairs, 25c.; 12 pairs, 50c.; 25 pairs, \$1.00; 50 pairs, \$1.50.

Ideal de Luxe Pigeon Bands. Two colors on each band, all colors for marking mated pairs. Price, 6 pairs, 30c.; 12 pairs, 60c.; 25 pairs, \$1.00; 50 pairs, \$1.75.

"Coloroid" Eclipse Poultry Bands. Made in eighteen colors. Black numbers on white ground on two sides of the band; can be read at several feet distant. Prices, doz., 35c.; 25, 75c.; 50, \$1.50; 100, \$2.50.



ALL LEG BANDS ARE SENT POSTPAID.

MOE'S SELF LOCKING LEG BAND

MOE'S SELF LOCKING BAND READY TO BE USED

FOR POULTRY
AND PIGEONS.

In Ordering, State for
What Breed.



	Price.
12	.....15c.
25	.....25c.
50	.....45c.
100	.....75c.
1000	.....\$6.00



A Scientific Triumph! LICE KILLER and NEST EGGS

—COMBINED IN ONE—
Effective Lasting Not Expensive

Superior to any other in Form, Size, Appearance and every way. They look exactly like natural Plymouth Rock eggs and are excellent for laying hens.

Each, 5c.; doz., 50c.. Special price on large quantities.

Opal Nest Egg. Each, 3c.; 2 for 5c.; doz., 25c. Special price on quantities.

Young's Rat Destroyer. Don't suffer with the DAMAGING rats. We sell this destroyer like all our other merchandise on the money back plan. Get your money back if it does not drive every rat off the place. Price, 25c., express collect. Cannot be sent by mail.

Rat Corn. Per can, 15, 25, 50c. and \$1.00. Kills the rats in your poultry yard without odor. "It mummifies them."



Fig 4

A boon to every poultry raiser. Any poison can be used, but we recommend one that kills them without odor and give one package free with each destroyer. Price, \$1.00.

Lightning Poultry Bits. To stop feather pulling instantly. Price, 10c. Fig. 4.

Essex Model Egg Preservative is a non-poisonous, tasteless, colorless, odorless fluid which is ready for use when mixed with boiling water and well cooled. One gallon makes twelve gallons of solution unequalled for preserving eggs, and will keep 60 to 70 dozen eggs in good eating condition for from six to ten months. Price, \$1.00 gal.

Wire Nests. Made good and strong. Each, 15c.; 2 for 25c.; doz., \$1.50.

Metal Trap Nest (Moe's), sanitary and absolutely reliable. 75c. each.

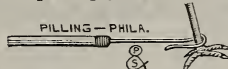
Philadelphia Poultry Marker. Large and small. Price, 25c. Fig. 5.

Poultry Marker. In shape of pliers. Price, 25c.



Fig. 5.

Pilling Fowl Catcher. Price, 20c.



Incubator Thermometers, Etc.

"Tycos" Incubator Thermometer, No. 5770. Many poultry raisers prefer the standing type of incubator Thermometer. No. 5770 is made with metal legs, which fold under and may be adjusted to almost any desired position. Sets in among the eggs on the floor of the incubator. Made in mercury tubes only. Each, 75c.

"Tycos" Incubator Thermometer, No. 5782. Most popular. Suitable for any incubator. Price, 60c.

Tycos Certified Incubator Thermometers, No. 5782. \$1.50

"Tycos" Brooder Thermometer. Unmounted. Price, 40c. Mounted, 50c.

"Tycos" Incubator Hygrometer, No. 5796. Price, \$1.50. Extra wicks, 10c. each.

"Mandy Lee" Incubator Thermometer. Price, 75c.

"Mandy Lee" Incubator Hygrometer. Price, \$2.00. Extra wicks, 5c. each.

"International" Ho-
ver Thermometer. Price, 50c.

Philadelphia Caponizing Set, in plain box, \$2.50.

Philadelphia Caponizing Set, in velvet-lined box, \$2.75.

Pilling-Farmer, in velvet-lined box, \$3.00.

Pilling-Special, in velvet-lined box, 4.00.

Pilling-Twinning, in velvet-lined box, 4.00.

Pilling-Miles, in velvet-lined box, 7.50.

Gape Worm Extractors. Price, 25c. each.

Angular Killing Knives. Price, 50c. each.

French Poultry Killing Knife. Price, 50c.

French Safe Edge Killing Knife. Price, 50c.

Park & Pollard Dry Mash. When we tell you our Dry-Mash makes them "Lay or Bust" every time, at all seasons of the year—we mean what we say. It is impossible for a healthy hen to eat our Dry-

Mash and not lay. Lb., 3c.; 100 lbs., \$2.50. Prices on Feeds subject to market changes.

Park & Pollard Screened Scratch Feed. This mixture is so carefully blended and proportioned that no fear of overfeeding need be entertained. Scratch Feeds are usually made the dump of refuse grains that cannot be sold in the open market, and when making comparison of prices, keep in mind that every kernel of grain in our feed is sweet, and that there are no sweepings or weed seed contained. 5 lbs., 15c.; 10 lbs., 25c.; 100 lbs., \$2.25. The great 1912 Baltimore Poultry and Pigeon Show was fed with this Food. To prove its worth it was fed again this year, 1914.

Park & Pollard Growing Feed. Stuff your youngsters with it and your chickens will always be ready for the table or market and show you better returns than ever before.

As a moulting food for all old stock and a pusher for the developing pullets it is recognized as the best by all poultrymen who have used it. Lb., 3c.; 100 lbs., \$2.50.

Park & Pollard Intermediate Chick Feed. Keeping the commercial end of poultry always in mind, we manufacture the "Intermediate" Chick Feed, selling at a less price than Gritless Chick Feed. This contains the same high quality grain and seeds, but no fish. It is fed after the chicks reach five weeks of age, being fed in connection with our Growing Feed. Lb., 3c.; 100 lbs., \$2.35.

Park & Pollard Gritless Chick Feed. Contains a better variety of grains and seeds, and of a higher quality than any other feed on the market, and in addition to this superior assortment of grains and seeds, it contains animal food in the form of dried shredded codfish, supplying protein, lime and phosphorus in the right proportions. The fish we use being put through a special preparatory process that eliminates

all the fat, it supplies the newly hatched birds at the crucial age when most needed with animal protein, without the animal fat. Lb., 3c.; 100 lbs., \$2.75.

Park & Pollard Red Ribbon Chick Feed. If you feel you cannot afford Gritless Chick Feed, try our Red Ribbon brand. This will raise more chickens than any other feed except Gritless Chick Feed. It is manufactured just as carefully as our famous Gritless Chick Feed brand, but leaving out the animal food reduces the cost, so that we can sell it at a lower price. Lb., 3c.; 100 lbs., \$2.40.

Overall Dry Mash Feeder.

Price: 1 peck, 60c. (6 Lay or Bust Bags); 6-qt. size, 50c. (5 Lay or Bust Bags).

Overall Chick Feeder.

Price: 40c. each (or 4 Lay or Bust Bags).

Pilling-Farmer. Price, 3.00.

Pilling-Special. Price, 4.00.

Pilling-Twinning. Price, 4.00.

Pilling-Miles. Price, 7.50.

ALL EMPTY PARK & POLLARD BAGS IN GOOD CONDITION WORTH 10c. IN P. & P. GOODS, NO FEEDS

Pratts,

Animal and Poultry Regulators and Remedies

Satisfaction Guaranteed or Money Refunded



Pratt's Poultry Regulator. This is the original Poultry Regulator of America, in use by the most successful poultry raisers everywhere.

It is a guaranteed egg producer, and when regularly used, hens lay throughout the year.

It is a perfect digestive and tonic and will prevent chicken cholera, gapes, roup, rheumatism, expel worms, prevent leg weakness, egg eating. It also greatly improves turkeys, geese, ducks, pigeons and guineas—insuring quick, healthy growth.

Pkg., 10c., 25c. and 50c.

100-lb. bags, \$9.00; 25-lb. pails at \$2.50; 12 lb. pails, \$1.25.

Liquid. Cannot be sent by parcel post.

PRATT'S ROUP REMEDY.

Pills or Powder.

Is a scientific preparation GUARANTEED to prevent and cure roup, colds, canker, catarrh and diphtheria.

In severe cases individual treatment with the PILLS is the only sure method. For mild cases and as a preventive, crush the pills or use the powdered form, and mix in the drinking water. Sold in 25c., 50c. and \$1.00 boxes.



PRATT'S POULTRY DISINFECTANT AND LICE KILLER AND DIP.

If poultry keepers would regularly spray the chicken houses, roosts, dropping boards and utensils with Pratt's Poultry Disinfectant, most all their troubles would vanish. This great Disinfectant is a real wonder worker in the poultry yard. Put up in 1 qt., 35c.; 2 qt., 60c.; and 1 gallon cans, \$1.00.

Liquid. Cannot be sent by parcel post.

PRATT'S CHOLERA REMEDY.

Is an unfailing remedy for this disease and is a "guaranteed or money back" article which is prepared under our own supervision in our own laboratories. It is administered in the drinking water, and will be found of great value, not only for treating cholera, but also in cases of indigestion, sour crop, dysentery, diarrhoea and bowel trouble.

25c. and 50c. a box.



PRATT'S HEAD LICE OINTMENT.

Causes immediate death to the Head Lice which kill so many thousands of little chicks yearly. Head lice weaken the chick's health—and a chick in a weakened condition easily contracts many other diseases. Pratt's Head Lice Ointment prevents this. It is non-poisonous, and is also the best remedy for Scaly Legs. Sold in 25c. tins.

PRATT'S GAPE REMEDY.

An unfailing guaranteed remedy for Gapes. If used in the drinking water from the start until the chicks are four weeks old, gapes will be practically unknown. Prices, 25c. and 50c.



PRATT'S BABY CHICK FOOD.

This is one of the greatest Money Savers and greatest Chick Savers ever placed on the market. Every man, woman or child who raises little chicks, turkeys ducks and geese should try at least one package of Pratt's Baby Chick Food. It is a scientific food ration to be fed for the first two weeks. If you want real success with your hatches, if you want to save all the baby chicks, if you want them to grow fast—get Pratt's Baby Chick Food on our recommendation for your first trial; after that you will never be without it. Put up in 10c., 25c. and 50c. packages, also 50-lb. and 100-lb. bags, \$3.00 and \$5.75.

PRATT'S LICE KILLER.

(Powdered Form.)

It quickly and thoroughly kills all lice on little chicks, big chicks, setting hens, and incubator chicks. It rids horses, cattle, hogs, dogs and cats of lice, and destroys ticks on sheep. It destroys insects and bugs on vines, plants and flowers. A valuable deodorizer and disinfectant for all poultry houses, barns, stables and dwellings. Drives out moths from closets, furniture, carpets and clothing. In Sprinkler Top Cans, 10c., 25c. and 50c.



PRATT'S WHITE DIARRHOEA REMEDY.

This remedy will positively save many dollars' worth of little chicks to poultry raisers. It has taken us nearly three years to find a remedy for White Diarrhoea, and we are so sure that we have it in this article that we authorize our dealers throughout the world to refund the purchase price in case it fails.

Extra Large Box, 50c.; Small Box, 25c.



PRATT'S BRONCHITIS REMEDY.

Extra large box, 50c.; small size, 25c.

Bronchitis in poultry is fatal in a few days unless promptly checked with Pratt's Bronchitis Remedy. This remedy is sure, safe and quick, and will save your birds.

25c. and 50c. boxes.

PRATT'S CONDITION TABLETS.

A "bracer" for overworked, run-down poultry. Keeps show birds in the pink of condition; puts flesh on thin birds; prevents colds, roup and liver troubles. We guarantee this Remedy to satisfy you or refund purchase price.

25c. and 50c. a box.



PRATT'S SORE HEAD (CHICKEN POX) REMEDY.

From costly experience poultrymen have learned to dread the disgusting disease known as Sore Head or Chicken Pox. They know it will practically ruin the flock unless quickly checked. We guarantee a sure, rapid cure if Pratt's Sore Head (Chicken Pox) Remedy is used. 25c. and 50c. a box.



PRATT'S SCALY LEG REMEDY.

You can quickly root out the little insect which digs the scales of the feet and legs of your chickens by the use of Pratt's Scaly Leg Remedy. This disease not only impairs the vitality of your birds, but also ruins their appearance. Our remedy will keep the legs clean and healthy. 25c. and 50c. a box.



Pratt's Animal Regulator is a regulator, digestive and mild tonic. The ingredients consist of pure medicinal roots, herbs and barks, carefully blended in the exact proportions necessary to gently but surely act on the blood, bowels, liver and digestive organs of horses, cows, sheep and hogs. It causes perfect digestion.

Ordinarily a great quantity of food given to stock is wasted on account of imperfect assimilation. Pratt's Animal Regulator stops that at once. The worst run-down animal can be given Pratt's Animal Regulator according to directions, and an improvement will be seen almost at once.

Horses are kept well and strong, their wind improved, and their coat will be sleek and glossy.

Cows give more and richer milk, the percentage of butter fat being always increased, and their calves are strong and healthy. Steers fatten in half the time.

Hogs are raised and fattened quickly and kept free from disease. Sheep are kept healthy, and their meat and wool improved by its use.

Pkg., 25 and 50c.; bags, 75c. and \$1.50.

Pratt's Worm Powders, for destroying worms in horses, cows, hogs and sheep. 50c. box.

Pratt's Liniment, for man or beast. 25c. bottle. Liquid.

Pratt's Healing Ointment, for man or beast, 25c. box.

Pratt's Healing Powder, for harness galls, 25c. box.



From

P. O. State



PARK & POLLARD

DRY-MASH

MAKES THEM
LAY ON BUST

BOSTON, MASS.



Place
Two Cent
Stamp Here

THE MEYER-STISSER CO.

BALTIMORE,

32 LIGHT STREET.

MD.



OVER

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OUR LATEST

CREATIONS IN **DAHLIAS** ACHIEVED THROUGH UNTIRING
EFFORTS AND AT GREAT EXPENSE

CELESTE MEYER

Color: Tango Red, striped and tipped with White.

Very attractive for the Drawing Room.

Variety: Fancy Decorative.

ELEANOR STISSER

Color: Buff to Salmon Rose.

Especially effective in connection with Autumn Foliage.

Variety: Decorative.

HORTICULTURAL EXPERTS DECLARE THESE TWO SPECIMEN THE FINEST YET GROWN.
SUPPLY LIMITED. READY FOR DELIVERY APRIL 1914. ORDER NOW.

THE MEYER-STISSER CO.,

BALTIMORE, MD.

SEEDSMEN 32 LIGHT STREET



WORTH \$100.00 TO EVERY RANCHER

MR. FARMER:---

You cannot afford to be without the FARMERS READY REFERENCE BOOK. Contains 192 pages and every page of vital interest to the Farmer, Gardener, Ranchman, Dairyman, etc. Chapters on all departments of farm life, and each chapter written by an expert in his particular line. Government and state experts wrote this book.

Send us your order for \$5.00 worth of Garden or Flower Seeds and a copy of this Book will be sent you Free of Charge. The supply is limited. Order today.



THE MEYER-STISSER COMPANY

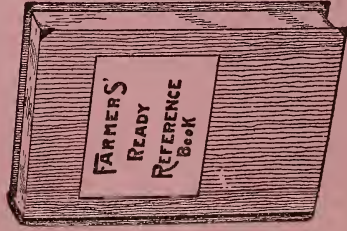
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BALTIMORE, MD.

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You cannot afford to be without the **FARMERS READY REFERENCE BOOK**. Contains 192 pages and every page of vital interest to the Farmer, Gardener, Ranchman, Dairyman, etc. Chapters on all departments of farm life, and each chapter written by an expert in his particular line. Government and state experts wrote this book.

Send us your order for \$5.00 worth of Garden or Flower Seeds and a copy of this Book will be sent you Free of Charge. The supply is limited. Order today.

THE MEYER-STISSER COMPANY

(OVER)

BALTIMORE, MD.

32 LIGHT STREET



**This \$35.00 SILVER CUP for the best Chicken,
Male or Female, in the 1915 Show, exclusive of Bantams.
Must be raised on Park & Pollard Feeds.**

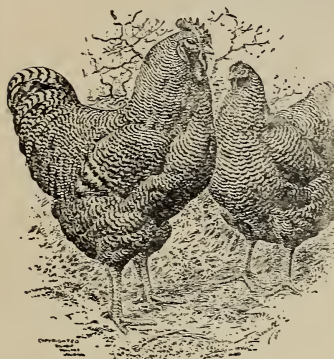
WE are furnishing all the Poultry and Pigeon Food which is being fed here. If it looks good to you, come to our booth at the North West Corner and get prices.



THE MEYER-STISSER CO.
32 Light St., Baltimore, Md.

GOODS DELIVERED IN CITY AND SUBURBS.

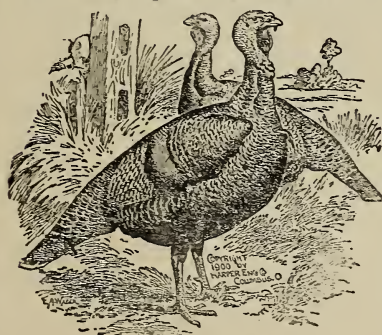
SELECTION OF BREEDS.



Barred Plymouth Rock.

of the failures recorded against the industry. You would not try to run a dairy without the very best grade of stock, nor would you expect the best crops without planting the best seed obtainable. This is the point on which many poultrymen fail, so make it a point to start right. Select a breed that is making a good showing for your particular purpose, and have your stock of some reliable strain. Make sure that the birds are healthy and vigorous individuals.

In every line you will find the man who has a hobby. Watch out for him. He is a good talker, believes in himself and his hobby, and is forever seeking converts to his wonderful ideas. Follow the advice and methods of the man whose ideas are paying him and whose experience is showing in actual dollars and cents. It is a case where money talks and outweighs fads and fancies. Experience is often an expensive teacher, so let the knowledge of the man who is winning be a help, and take the short road to profit. It is generally more profitable to keep but one breed of fowls, and much care should be exercised and investigation made regarding the stock for the climate and location, instead of going into the business blindly.



Bronze Turkeys.

Plymouth Rocks, Rhode Island Reds and Orpingtons. But we must not infer from this that there are not other breeds with qualities equally good. According to the Standard of Perfection, the different classes of fowls may be noted as follows:

- American Class—Plymouth Rocks, Wyandottes, Javas, Dominiques, Rhode Island Reds, Buckeyes.
- Asiatic Class—Brahmas, Cochins, Langshans.
- Mediterranean Class—Leghorns, Minorcas, Spanish, Andalusians, Anconas.
- English Class—Dorkings, Redcaps, Orpingtons.
- Polish Class—Polish.
- Dutch Class—Hamburgs.
- French Class—Houdans, Crevecœurs, La Fleche, Favorables.
- Game and Game Bantam Class—Games and Game Bantams.
- Oriental Game and Bantam Class—Indians, Sumatras, Malays, Malay Bantams.
- Ornamental Bantam Class—Seabright, Rose Comb, Booted, Brahma Cochins, Japanese Polish.
- Miscellaneous Class—Silkies, Sultans, Frizzles.

This subject may well be considered the foundation to success or failure in the poultry business and it should receive your careful thought. You are going into the business for profit, so do not be content with scrub stock, for it makes a poor investment. We do not mean that you should purchase "fancy fowls" or "show birds," but endeavor to obtain thoroughbred fowls or eggs from thoroughbreds.

The poultry business is no exception to the rule that if you desire paying results, you must have a foundation for success, and no man can succeed who tries to build with poor stock. It costs no more to feed and care for a standard fowl than a mongrel, and you cannot realize high class results from the latter. From such attempts have come some



Indian Runner Ducks.

Different Breeds.—The space in this little book will not allow us to fully describe all the different breeds of fowls. Every poultryman should procure a copy of "The American Standard of Perfection," which gives the weight, shape, markings, and color of each breed for male and female, as well as all points for judging value. This book, which is published by the American Poultry Association, is the guide for all judges in awarding prizes. Revised every five years and sells for the uniform price of \$2.00. The most popular breeds just now seem to be the Leghorns, Wyandottes,



Norwich Feeder and Exerciser.

It is also necessary for your breeding stock to be healthy, well cared for, not too fat and have plenty of exercise.

PRICES ON UTILITY EGGS.

Eggs of Single Comb White Leghorn, Barred Rock, Rhode Island Red, both Single and Rose Comb, and White Wyandottes, we can furnish as low as \$1.25 per setting of 15; \$6.00 per 100, f. o. b. our store.

PRICES ON SPECIAL MATING EGGS AND STOCK.

Black Minorcas, Andalusians, Anconas, Houdans, Barred, White, Buff and other Plymouth Rocks, Single and Rose Comb Rhode Island Red, Black Langshan, Wyandottes, Buff, White and Black Single Cob Orpington, White, Brown and Buff Single Comb Leghorns.

Eggs—Thoroughbred Stock,	15 Eggs.....	\$1.50
Thoroughbred Stock,	100 Eggs.....	8.00
Exhibition Stock,	15 Eggs.....	3.00
Exhibition Extra Quality,	15 Eggs.....	5.00
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Thoroughbreds, choice, each.....	4.00	
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We can furnish most all other varieties of poultry at the above figures, but must always have a week or ten days to furnish stock wanted.

White Pekin and Indian Runner Duck Eggs, \$1.50 and up per setting of 11, \$10.00 per 100.

Prices on Turkey, Geese, Guinea and Other Eggs furnished on application.

From our Mammoth Hatchery we can supply Baby Chicks of the leading varieties at very low prices and at short notice. Let us quote you.



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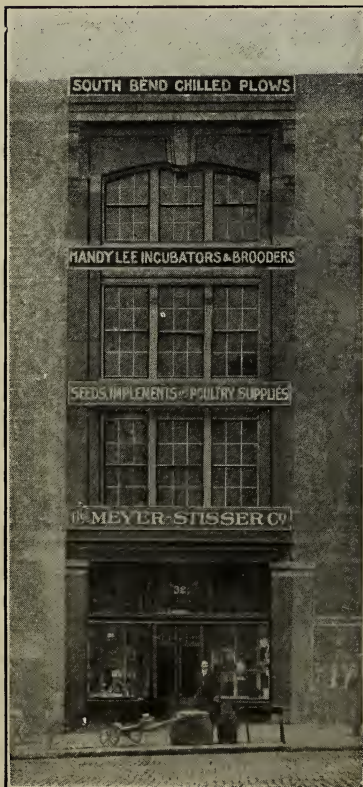
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